TECHO—BLOC

TECHOSPEC

HARDSCAPER'S HANDBOOK



VOLUME 23



We live to create

TECHO—BLOC

IMPORTANT INFORMATION

A STANDARD OF CARE

The care of high quality concrete products is similar to the care of any product left in the environment 365 days and nights per year. Very mild cleaning using detergents, water and product specific chemicals is necessary and similar to cleaning patio furniture, a vehicle's chrome, plastic, or paint, etc. in order to enhance their presence and charm. Protectants of all types (high, middle, and low sheen, pigmented/tinted, penetrating or film-forming) are available for additional protection from acid rain, stains and nature's worst. To get the most from your investments take care of them and they'll take care of you.

For any questions on industry-specific cleaners and protectants, see your local hardscape dealer, contact your contractor, contact us or search online.

It is contrary to Techo-Bloc's Standard Operating Procedures (SOP) to be involved in the care of a mature pavement or retaining structure. Care, as mentioned above, is the responsibility of the owner for any and all outdoor products.

NCMA disclaimer: "In areas where segmental retaining walls will be repeatedly exposed to snow (such as from plowing operations) consider periodically applying sealants or water repelling chemicals (silane or siloxane compounds) to the wall surface."

COLOR

Due to the inherent nature of printed literature and current digital media, Techo-Bloc cannot guarantee specific color matching to printed representations of its color swatches.

Each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another. Therefore, colors samples shown are approximate representations of our standard colors and actual product colors may vary.

Final color selection should be made at your local dealer from stocked product. Techo-Bloc always recommends immediately verifying the product and colour upon reception. If there are any discrepancies, contact your local dealer before continuing your project. Installation of the product constitutes your acceptance of the product as is.

EFFLORESCENCE

This warranty does not apply to efflorescence. Efflorescence is a naturally-occurring process in all concrete products which sometimes appears in the form of a white powdery film on the pavement surface. Efflorescence is more perceivable in darker colours such as Onyx Black and Chocolate Brown as there is a higher level of contrast than with other blended colours. It does not, in any way, compromise the functionality or the structural integrity of the product. Although efflorescence cannot be prevented, it will wash off over time or can be cleaned with efflorescence cleaner. Techo-Bloc accepts no responsibility or liability for this condition.

POLYMERIC HAZE

Polymeric haze from the use of polymeric joint sand may appear on your concrete products if the sand was not removed from the surface of the paver properly. This does not, in any way, affect the integrity of the product or your installation. The hazing will weather away naturally with time and rain. It can be removed with a specialized cleaner; you are advised to contact your contractor or the polymeric sand company used for instructions & recommendations. Techo-Bloc accepts no responsibility or liability for this occurrence.

CONSTRUCTION RESIDUE

A by-product of cutting with a saw is residue-filled water or concrete dust. Residue filled water or re-hydrated dust can cling to the surface and leave a concrete stain. It is recommended to wash and remove the water or concrete dust from the surface of the pavers before it dries. Construction residue can also happen through soil disturbance or environmental elements. These contaminants should be removed immediately but do not affect the integrity of the product or your installation. Techo-Bloc accepts no responsibility or liability for these occurrences.

PROPER COLOR DISTRIBUTION AND LAYING TECHNIQUES

Proper installation enhances the overall color of pavement. Units should be randomly picked from at least two pallets when installing. This creates an attractive and subtle blending of color.

COMPACTOR AND SNOW REMOVAL EQUIPMENT

Pavers with an embossed surface (high and low points) are more susceptible to scuff marks from vibratory plate compactors used in most concrete paver installations. Techo-Bloc recommends the use of a urethane mat between the plate and the paver surface during compacting. Contact your equipment supplier for more information about accessories for this purpose. Also, snow removal equipment should have the proper spacing, bumpers, and rubber blade guards to protect the surface of the pavers. Techo-Bloc is not responsible for damage caused by the misuse of compaction or snow removal equipment, which may leave scuff marks, or burns on pavers.

NOTE:

For industry information about efflorescence, polymeric haze or information pertaining to installation specifications, please visit www.icpi.org or www.ncma.org.

INSTALLATION GUIDES:

The installation diagrams are only a guide or a reference and cannot cover all possible situations. Therefore, Techo-Bloc declines all responsibility regarding the applicability of the installation diagrams with regards to any specific site. The customer is fully responsible for product installation and Techo-Bloc recommends the use of qualified professionals, such as an architect, a master contractor or an engineer who will be able to customize the installation diagram to the specific site conditions.

LIMITED WARRANTY

The warranty applies to concrete landscaping and masonry products (herein referred to as "products") intended for residential use and manufactured by the Techo-Bloc group.

All Techo-Bloc products comply with applicable standards established by the American Society for Testing and Materials (ASTM) and the Canadian Standards Association (CSA).

Techo-Bloc offers a transferable life-time warranty on its products, commencing on the date of delivery. The warranty covers the structural integrity of the products and any abnormal deterioration of its surfaces that may be caused by the use of rock salt (sodium chloride [NaCl]) for de-icing pavers, slabs or steps, with the exception of Wet Cast collection products, unless otherwise stated.

THE FOLLOWING CONDITIONS OR EVENTS ARE NOT COVERED BY THE WARRANTY:

1. Claims regarding the color, size, or texture of a product already installed. An installed product confirms the acceptance of the product received.
2. Use of rock salt and transferability of warranty on Wet Cast collection products unless otherwise stated.
3. Splitting, chipping or other breakage caused by impact, abrasion or overloading.
4. Damage or loss caused by the movement or settling of the underlying structure or base components upon which the products are set.
5. Damage or loss caused by design or installation not in compliance with local codes, industry standards or the guidelines provided by the Interlocking Concrete Pavement Institute (ICPI), the National Concrete Masonry Association (NCMA) or Techo-Bloc.
6. Damage or loss caused by natural disaster, including but not limited to, earthquakes, floods or other similar events.
7. Acts of negligence or misuse by the owner, installer or any third party.
8. Color matching to printed representations.
9. Efflorescence, polymeric haze or construction-born residue. (See the important information section for terminologies)
10. Damage or loss caused by the operation of compaction or snow removal equipment.
11. Normal wear and tear and normal behavior, such as variation in colors or shades.

In the event of product failure within the scope of this warranty, Techo-Bloc will replace the affected units only, following a site inspection and assessment of the products by Techo-Bloc or its representatives. Techo-Bloc's responsibility is limited to the cost of the product only and not to the costs related to the installation or replacement of said products. Techo-Bloc will honor this warranty only with a proof of purchase, such as an invoice or delivery slip.

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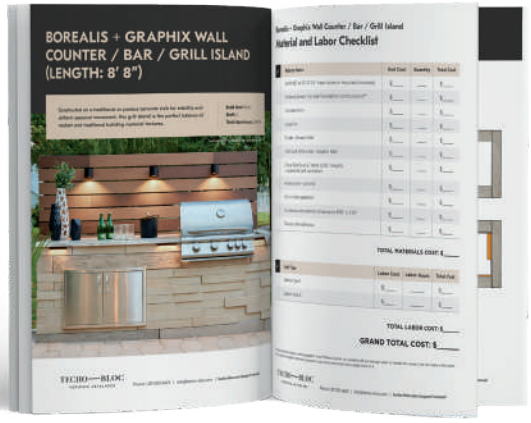
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LEGEND

- DRY CAST COLLECTION
- WET CAST COLLECTION
- PEDESTRIAN
- SECONDARY STREETS
- PARKING LOTS
- DE-ICING SALT RESISTANT
- **DO NOT USE** DE-ICING SALT
- RESIDENTIAL / VEHICULAR
- MAIN STREETS
- USE VIBRATING PLATE
- **DO NOT USE** VIBRATING PLATE
- PEDESTRIAN PLAZA
- MECHANICAL INSTALLATION
- PERMEABLE PAVERS
- HIGH DEFINITION & DENSITY
- KLEAN-BLOC
- ADA



CONTRACTOR SUPPORT MANUAL



Download over 20 construction guides

Build outdoor features quickly and easily. Each feature is complete with material lists, step-by-step instructions and detailed drawings.

Includes:

- **Firepits**
- **Cooking Solutions**
- **Water Features**
- **Seating**

View and download free guides at **www.techo-bloc.com/support-manual**


THE DESIGN
PLAYGROUND

COLORS

Choose your favorite color

Your favorite shades show up in multiple collections, making it easy for you to mix, match and contrast to your heart's content. Refer to our color chart on p. 16.



Natural ingredients are present within the recipe to allow for a range in tones, veining and textures from one stone to another. Color samples are for reference only and actual product colors may vary.

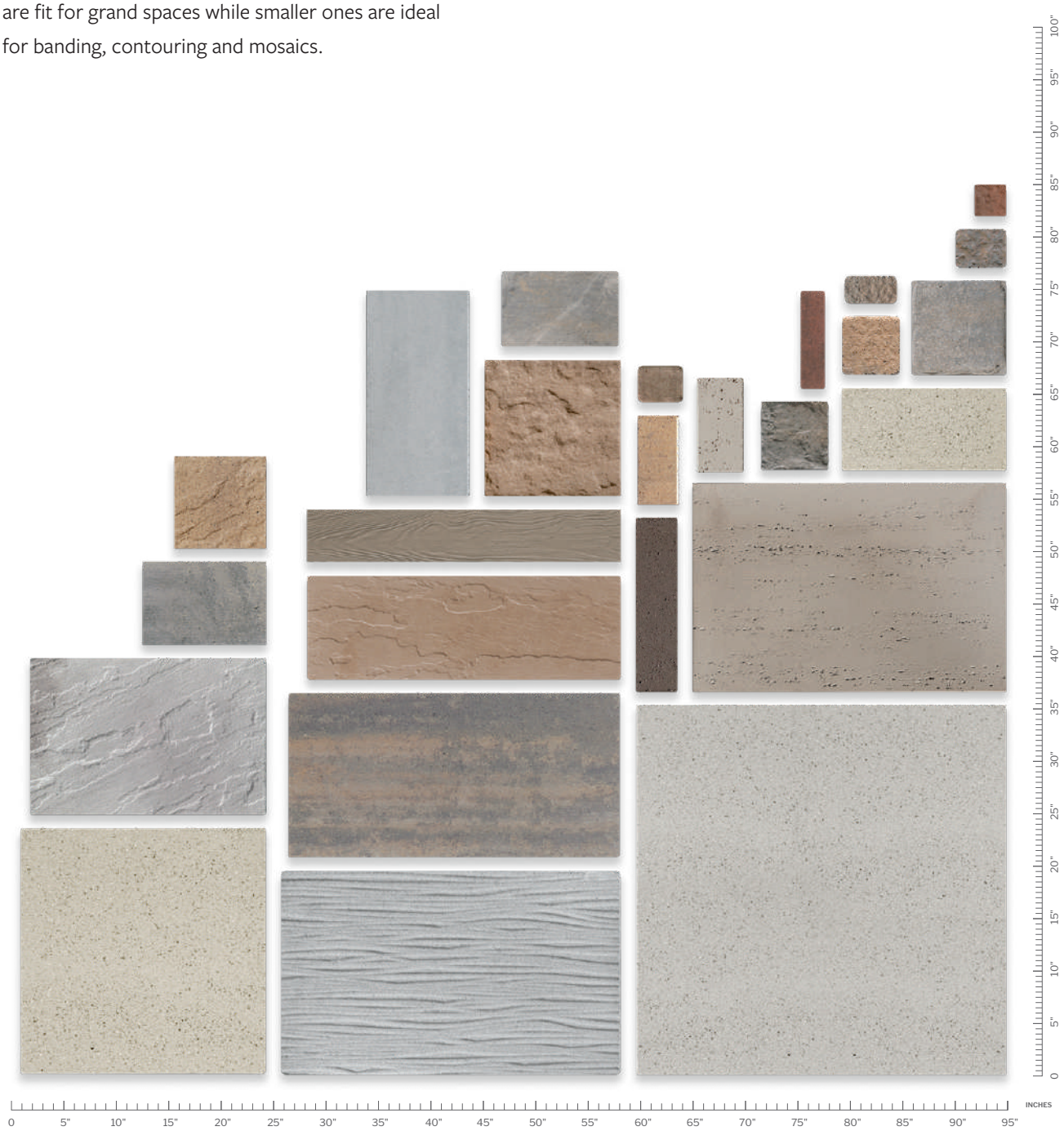
1 Paving units with this color have potential Solar Reflectance (SR) of at least 0.33 and/or Solar Reflectance Index (SRI) of at least 29. These values may change for the same color depending on the finish and local aggregates. See page 15 for specific SR and SRI values.

SCALE

Which scale suits your space?

VERSATILITY IN YOUR SPACE

Mind the scale you're working with. Larger stones are fit for grand spaces while smaller ones are ideal for banding, contouring and mosaics.



SHAPES

Geometric or curvy?



CREATE WITH SHAPES

Ready for something different? There's a lot more to paving stones than just right angles. From classic to creative, explore all the options — then let them be the building blocks for your next big idea.



TEXTURES



HD² SMOOTH

Blu (p. 37, 40, 42, 63, 66)
Diamond (p. 67)
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Hexa (p. 48, 69)
Industria (p. 50, 70, 72, 74, 75, 78, 80, 82, 84)
Para (p. 54, 55)
Sleek (p. 90)
Westmount (p. 96)



SMOOTH

Antika (p. 61)
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Blu overlay (p. 249, 250)
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HD² SLATE

Blu (p. 36, 39, 41, 62, 65)
Inca (p. 49)
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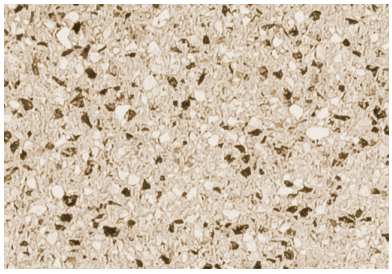
SLATE

Avignon (p. 125)
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Villagio (p. 95)



HD² POLISHED

Industria (p. 50, 71, 73, 76, 77, 79, 81, 83, 85)



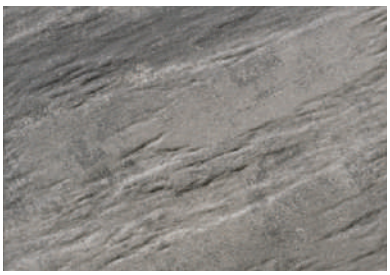
POLISHED

Blu (p. 38, 43, 64)
Bullnose Grande (p. 262)
Raffinato (p. 129, 130, 207, 209)



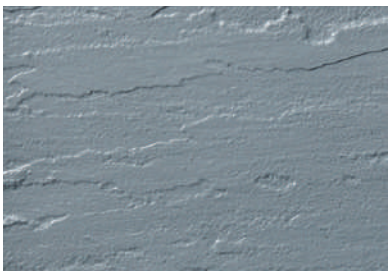
HD² GRANITEX

Diamond (p. 67)
Industria (p. 50, 70, 72, 74, 75, 78, 80, 82, 84)



HD² NATURAL STONE

Everest (p. 46, 47)
Limestone (p. 259)
Sandstone (p. 260)



KLEAN-BLOC SLATE

Aberdeen (p .34, 35)
Piedimonte (p. 264)
York (p. 269, 270, 271)



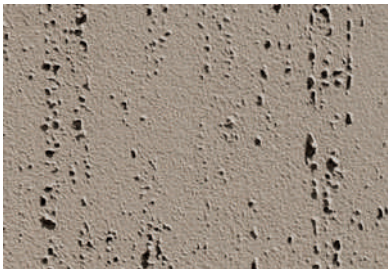
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KLEAN-BLOC BRUSHED TRAVERTINE

Travertina Raw (p. 56, 57, 92, 268)



BRUSHED TRAVERTINE

Travertina Raw (p. 235, 236)



OCEAN WAVES

Ocean Grande HD² (p. 53)



KLEAN-BLOC WOOD

Borealis (p. 44)



WOOD

Borealis (p. 45, 126, 154, 243)



BASALT

Valet (p. 93)

PAIRINGS

From coordinated color schemes to flawless finishes, backyard blends are made easy with our cross category collections. Discover the perfect design pairing for your outdoor space that focuses on seamless surfaces from top to bottom.



TONE ON TONE

Same, but different. We color-match across our collections, making it easy to mix textures, shapes and sizes.

Graphix wall, Raffinato cap and Diamond paver in Greyed Nickel

THE TEXTURED TOUCH

Win by playing the same game. From slabs to pavers to copings and beyond, discover the beauty of working within one consistent texture.

Travertina Raw slab, paver, wall, and cap in Ivory





NATURE FINISHES FIRST

Different products, one-of-a-kind feeling. Keeping with a similar finish across collections creates an effortlessly natural or rustic-feeling cohesiveness.

Everest slab, Valet paver, Röcka wall, and Piedimonte cap

SOLAR REFLECTANCE & LEED CREDITS

Solar reflectance index (SRI) is a value that incorporates solar reflectance (SR) and thermal emittance in a single measure. The SRI is an indicator of how well a surface reflects (reflectance) and release absorbed solar radiation (emittance). The lower the SRI, the hotter a material is likely to become in sunlight. Dark pavement surfaces tend to have lower solar reflectance values than lighter pavement surfaces. Thus, cautious selection of pavement surface colors can help reduce heat islands which cause urban areas to stay warmer and contributes to air pollution and increased energy consumption.Nowadays, it is not uncommon for some municipalities in North America to require the use of paving materials with an initial SRI of 29.

Furthermore, for LEED certification there are credit requirements for Sustainable Sites Credit: Heat Island Reduction.

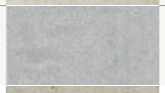
The following are some key elements for Nonroof and Parking under cover applications (see LEED v4.1 for a thorough information):

- **Nonroof** (2 points except Healthcare, 1-point Healthcare): Use of paving materials with an initial SR value of at least 0.33.
- **Parking under cover** (1 point): Any roof used to shade or cover parking must have a three-year aged SRI of at least 32 (if three-year aged value information is not available, use materials with an initial SRI of at least 39 at installation).

Techo-Bloc light-colored paving units contribute to the reduction of heat island effects and to obtain LEED points. The table to the right summarizes the colors of Techo-Bloc paving units with SR of at least 0.33 and/or SRI of at least 29.

The values shown in the table may change slightly for the same color due to variations in local aggregates. Contact your Techo-Bloc Representative for our current list of SR and SRI values

TECHO-BLOC COLORS WITH SR OF AT LEAST 0.33 AND/OR SRI OF AT LEAST 29

FINISH	COLOR	SWATCH	SOLAR REFLECTANCE[1]	SOLAR REFLECTANCE INDEX[2]
HD² Smooth	Beige Cream		0.35	38
	Greyed Nickel		0.33	36
Smooth	Beige Cream		0.33	36
	Greyed Nickel		0.34	37
HD² Polished	Beige Cream		0.38	42
	Greyed Nickel		0.37	41
HD² Granitex	Beige Cream		0.33	36
	Greyed Nickel		0.39	43
HD² Slate (wetcast)	Victoria		0.31	33
HD² Brushed Travertine (wetcast)	Ivory		0.35	38

NOTES

1. Solar Reflectance measurements in accordance with ASTM C1549 "Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer".
2. Solar Reflectance Index (SRI) calculated in accordance with ASTM E1980 "Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces".

COLOR COORDINATE

For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another. Final color selection should be made with your contractor from product samples or at your local dealer from stocked product. This color chart serves as a guide for color selection across product lines.

x Available ⓘ Permeable
M Available only in Midwest
E Available only in Eastern
• Available only in USA
C Available only in Canada

Midwestern USA encompasses these states: AR, CO, GA, IA, ID, IL, IN, KS, KY, MI, MN, MO, MS, ND, NE, OH, Western PA, SD, TN, WI & WV.

Eastern USA encompasses these states: CT, DE, MA, MD, ME, NC, NH, NJ, NY, Eastern PA, RI, SC, VA & VT.

Slabs	Merlot	Chocolate Brown	Chestnut Brown	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Onyx Black	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Ivory	Victoria	Riviera	Azzurro	Beige	Warm Grey
Aberdeen Klean-Bloc												x					x		
Blu 45 mm Overlay System - Slate			x	x	x				x										
Blu 45 mm Overlay System - Smooth			x		x	x	x		x	x									
Blu 60 mm - Slate ⓘ			x	E	x				x										
Blu 60 mm - HD² Slate ⓘ			•	E	•				•										
Blu Grande - Slate			x	E	x				x										
Blu Grande - HD² Slate			•	E	•				•										
Blu 60 mm (6 × 13) - Slate ⓘ		x	x		x				x	x									
Blu 60 mm (6 × 13) - HD² Slate ⓘ			•		•				•	•									
Blu 60 mm Smooth ⓘ			x		x	x	x		x	x									
Blu 60 mm HD² Smooth ⓘ			x		x		x		x	x									
Blu 60 mm (6 × 13) - Smooth ⓘ		x	x		x	x	x		x	x									
Blu 60 mm (6 × 13) - HD² Smooth ⓘ			x		x		x		x	x									
Blu Grande - Smooth			x		x	x	x		x	x									
Blu Grande HD² Smooth			x		x		x		x										
Blu 60 mm & Grande - Polished			x			x	x		x	x									
Borealis Klean-Bloc											x		x			x			
Borealis Stepping Stones													x						
Everest	x		x				x		x										
Flora						x	x												
Hexa 60 mm			x			x	x		x	x									
Inca HD²															x	x			
Industria HD² - 600 Series			x			x	x		x	x									
Maya															x	x			
Ocean Grande HD²						x	x												
Pacific Cap and Overlay System			x		x				x										
Para HD²						x	x			x									
Travertina Raw Klean-Bloc												x		x		x			

Pavers

	Merlot	Chocolate Brown	Chestnut Brown	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Onyx Black	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Ivory	Victoria	Riviera	Azzurro	Beige	Warm Grey
Antika - Smooth		x	x	x					x	x									
Aquastorm								x											
Blu 80 mm - Slate			x	E	x				x										
Blu 80 mm - HD² Slate			•		•				•										
Blu 80 mm (6 × 13) - Slate		x	x		x				x	x									
Blu 80 mm (6 × 13) - HD² Slate			•		•				•	•									
Blu 80 mm - Smooth			x		x	x	x		x	x									
Blu 80 mm - HD² Smooth			x		x		x		x	x									
Blu 80 mm (6 × 13) - Smooth		x	x		x	x	x		x	x									
Blu 80 mm (6 × 13) - HD² Smooth			x		x		x		x	x									
Blu 80 mm - Polished (On order only)			x			x	x		x	x									
Diamond HD²			x			x	x		x	x									
Eva			x	x	x				x										
Hexa 100 mm			x			x	x		x	x									
Hydra			x					x	x										
Industria Collection HD²			x			x	x		x	x									
Linea			x		x				x	x									
Mika Klean-Bloc										x		x							
Mista Random			x	x	x				x										
Pure			x	x	x				x										
Sleek HD²			x		x	x	x		x	x									
Squadra - Slate	x		x						x	x									
Travertina Raw Klean-Bloc												x		x		x			
Valet			x		x				x	x									
Victorien 60 mm		x							x	x									
Villagio	x	x	x	x	x				x	x									
Westmount	x	x							x	x									

Outdoor Features

Lumi Firebowl																			x
Manchester Foyer - Smooth			x						x										
Brandon Firepit			x						x										
Prescott Firepit												x				x			
Raffinato Firepit						x	x												
Valencia Firepit			x	x	x				x										

Edges

Avignon			x	x	x				x										
Borealis											x		x						
Brandon		x	x	x	x				x	x									
Pietra			x	x	x				x										
Raffinato Collection						x	x		C	x									
Röcka		x	x													x			

Walls & Pillars

	Merlot	Chocolate Brown	Chestnut Brown	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Onyx Black	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Ivory	Victoria	Riviera	Azzurro	Beige	Warm Grey
Borealis											x		x						
Brandon			x	x	x				x	x									
Fascia Wall Collection Klean-Bloc		x										x				x	x		
G-Force			x	x	x				x										
Graphix						x	x			x									
Mini-Creta Architectural Wall		x	x	x	x				x										
Mini-Creta Architectural Pillars			x	x	x				x										
Prescott Collection												x			x	x			
Raffinato Collection						x	x		C	x									
Röcka		x										x				x			
Semma			x	x	x				x										
Skyscraper			x						x										
Travertina Raw												x		x		x			

Steps, caps and overlay system

Architectural Cap		x	x	x	x				x	x									
Bali Travertina Cap Klean-Bloc												x		x		x			
Brandon Cap			x	x	x				x	x									
Bullnose Cap		x	x		x				x	x									
Bullnose Grande Cap						x	x												
Graphix Cap						x	x			x									
Limestone										x									
Piedimonte Cap Klean-Bloc										x		x				x			
Portofino Cap		x								x		x				x	x		
Raffinato Cap Collection			x		x	x	x		C	x									
Travertina Raw Cap Klean-Bloc												x		x		x			
York Collection Cap Klean-Bloc		x								x		x		x		x			
Borealis Step											x		x						
Maya Step		x										x				x			
Raffinato Step						x	x		C	x									
Sandstone								x										x	
Sandstone Bullnose								x										x	
Röcka Step		x										x				x			
York Step		x										x				x			
Venetian Overlay System - Slate			x	x	x				x										
Venetian Overlay System - Smooth			x	x	x				x										



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PRODUCTS WITH KLEAN-BLOC

Aberdeen slab
Borealis slab
Travertina Raw slab
Mika paver
Travertina Raw paver
Iconic & Rosemont walls
Bali Travertina Raw cap
Piedimonte cap
Travertina Raw cap
York cap

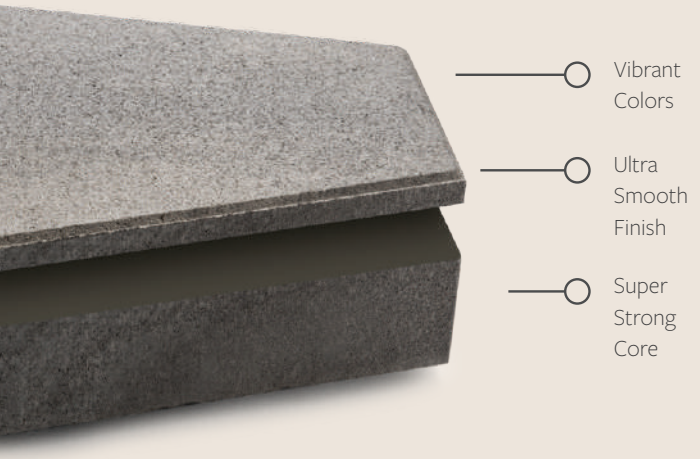
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PRODUCTS WITH HD²

Blu 60 mm slab
Everest slab
Hexa slab
Inca slab
Industria slab
Ocean Grande slab
Para slab
Blu 80 mm paver
Diamond paver
Hexa paver
Industria paver
Sleek paver
Westmount paver

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TYPICAL APPLICATION USAGE

Slabs

	THICKNESS (NOMINAL)		JOINT WIDTH		RESIDENTIAL		COMMERCIAL									
	mm	in	mm	in								PERMEABLE	GRASS (CONCRETE GRID) PAVER	INSTALLATION ON PEDESTAL SET	BITUMINOUS SAND-SET[4]	ADA[5]
Aberdeen 20×10 & 20×20[3]	57	2 1/4	5	3/16	x		x									
Aberdeen 30×10[3]	57	2 1/4	5	3/16	x		x									
Aberdeen 30×20[3]	57	2 1/4	5	3/16	x		x									
Aberdeen 30×30[3]	57	2 1/4	5	3/16	x		x									
Blu 60	60	2 3/8	7	9/32	x	x[1]	x	x[1]				x[7]				x[6]
Blu 60 mm 6×13	60	2 3/8	7	9/32	x	x	x	x[1]				x				x[6]
Blu Grande	60	2 3/8	7	9/32	x		x							HD[2] only		x[6]
Borealis 5×30[3]	57	2 1/4	5	3/16	x		x									x
Borealis 10×30[3]	57	2 1/4	5	3/16	x		x									x
Borealis stepping stones[3]	57	2 1/4	Variable		x		x									
Everest square 250×250	60	2 3/8	1,5	1/16	x	x	x	x								
Everest square 500×500	60	2 3/8	1,5	1/16	x	x[1]	x	x[1]						x		
Everest rectangle	60	2 3/8	1,5	1/16	x		x									
Hexa 60 mm	60	2 3/8	2,5	3/32	x		x									x
Inca[3]	51	2	5	3/16	x		x									
Industria slab	60	2 3/8	3	1/8	x	x[1]	x	x[1]						x		x
Flora	60	2 3/8	3	1/8	x	x[1]	x	x[1]						x		x
Maya[3]	57	2 1/4	Variable		x		x									
Ocean Grande	60	2 3/8	4	5/32	x		x									
Para 500×250	60	2 3/8	3	1/8	x		x									x
Para 500×500	60	2 3/8	3	1/8	x[1]		x	x[1]						x		x
Para 500×750	60	2 3/8	3	1/8	x		x							x		x
Raffinato 14″×28″ (60 mm)	60	2 3/8			x		x									
Travertina Raw (slab) 20×10 & 20×20[3]	57	2 1/4	2	1/16	x		x									x
Travertina Raw (slab) 20×30[3]	57	2 1/4	2	1/16	x		x									x
Travertina Raw (slab) 30×30[3]	57	2 1/4	2	1/16	x		x									x

Notes:
1. For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.
2. The installation of this product on an aggregate base will provide an acceptable performance. For a superior performance, this product can be installed on a concrete base.
3. De-icing salt shall not be used on this product.
4. Pavers on bituminous-sand set in vehicular applications require the thickness tolerance to be +/- 1/16 in. (1.5 mm).
5. Meets the Americans with Disabilities Act (ADA) design guidelines for accessible paths:
   - Slip resistant paver surface
   - Paver joint openings do not allow the passage of a sphere greater than ½ in. (13 mm) in diameter
6. Tumbled or embossed pavers could result on surfaces or edges unsuitable for ADA applications.
7. For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

RESIDENTIAL

Pedestrian: Pedestrian use (e.g. patios and walkways).

Residential / Vehicular: Residential vehicle use (e.g. driveways).

COMMERCIAL

Pedestrian only: Pedestrian at all times, no cars, service vehicles or other mobile equipment (e.g. courtyards, parks and pedestrian walkways).

Pedestrian Plaza: Primarily pedestrian but occasionally subjected to service vehicles (e.g. maintenance, snow removal or emergency vehicles).

Parking lots: Parking areas and access ways for cars, SUVs and pickup trucks occasionally subjected to delivery and garbage trucks (e.g. parking and access ways for malls, offices and multi-storey residential buildings).

Secondary streets: Roadways with mostly automobile traffic and occasional trucks and bus traffic (e.g. residential streets, local roads)

Main streets: Roadways with general traffic mix and where heavy vehicles are a regular component of the daily traffic volume (e.g. boulevards, collectors and arterials).

TYPICAL APPLICATION USAGE
(cont'd)

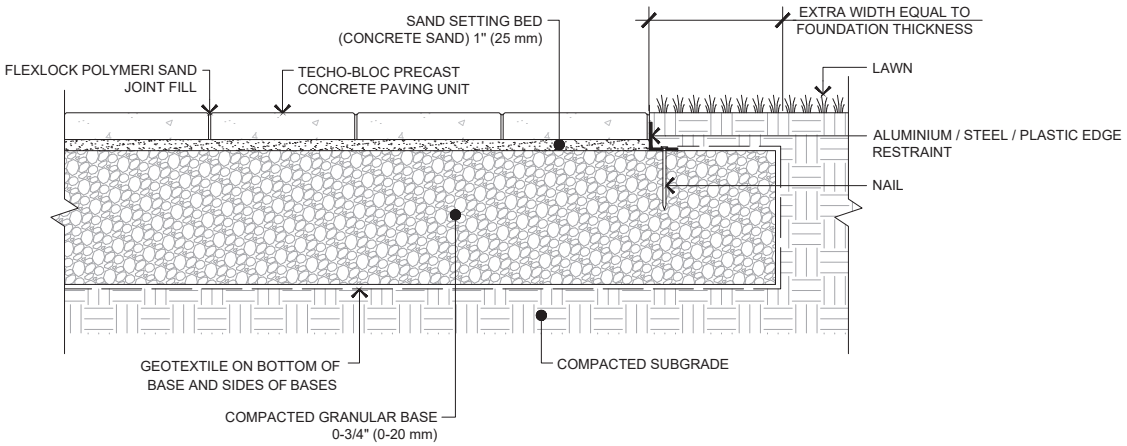
Pavers

	THICKNESS (NOMINAL)		JOINT WIDTH		RESIDENTIAL		COMMERCIAL									
	mm	in	mm	in								PERMEABLE	GRASS (CONCRETE GRID) PAVER	INSTALLATION ON PEDESTAL SET	BITUMINOUS SAND-SET[4]	ADA[5]
Antika	60	2 3/8	Variable		x	x	x					x				
Aquastorm	100	3 15/16	41	1 5/8	x	x	x	x	x			x	x			
Blu 80	80	3 1/8	7	9/32	x	x	x	x	x			x[7]			x	x[6]
Blu 80 (6×13)	80	3 1/8	7	9/32	x	x	x	x	x			x			x	x[6]
Diamond	100	3 15/16	2,5	3/32	x	x	x	x	x	x					x	x
Eva	60	2 3/8	3	1/8	x	x	x									
Hexa 100 mm	100	3 15/16	2,5	3/32	x	x	x	x	x						x	x
Hydra	100	3 15/16	13	1/2	x	x	x	x	x	x		x				x
Industria 150×150	100	3 15/16	3	1/8	x	x	x	x	x	x					x	x
Industria 200×200	100	3 15/16	3	1/8	x	x	x	x	x	x					x	x
Industria 200×400	100	3 15/16	3	1/8	x	x	x	x	x						x	x
Industria 300×100	100	3 15/16	3	1/8	x	x	x	x	x	x	x				x	x
Industria 300×150	100	3 15/16	3	1/8	x	x	x	x	x	x	x				x	x
Industria 300×300	100	3 15/16	3	1/8	x	x	x	x	x	x					x	x
Industria 450×100	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 450×150	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 450×300	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 600×100	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 600×200	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 600×300	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 600×600	100	3 15/16	3	1/8	x	x	x	x	x[1]						x	x
Industria 900×300	100	3 15/16	3	1/8	x	x[1]	x									x
Industria 900×600	100	3 15/16	3	1/8	x	x[1]	x									x
Industria 900×900	100	3 15/16	3	1/8	x	x[1]	x									x
Industria Tactile	100	3 15/16	3	1/8	x	x	x	x	x	x					x	x
Industria Triangle	100	3 15/16	3	1/8	x	x	x	x	x						x	x
Linea small rectangles	100	3 15/16	3	1/8	x	x	x	x	x						x	x
Linea larges rectangles	100	3 15/16	3	1/8	x	x	x	x	x						x	x
Mika	70	2 3/4	15	5/8	x	x	x	x				x				
Mista random	65	2 9/16	4-14	3/16-9/16	x	x	x					x				
Pure	80	3 1/8	10	13/32	x	x	x	x	x			x				
Sleek	90	3 9/16	2.5 or 4.0	3/32 or 5/32	x	x[2]	x									x
Squadra	60	2 3/8	4	5/32	x	x	x									
Travertina Raw (paver)	70	2 3/4	15	5/8	x	x	x	x				x				
Valet	60	2 3/8	7	9/32	x	x	x	x	x			x			x	
Victorien 60 mm	60	2 3/8	3	1/8	x	x	x	x	x						x	x
Villagio	60	2 3/8	9-15	3/8-9/16	x	x	x	x	x			x				
Westmount	80	3 1/8	3	1/8	x	x	x	x	x						x	x

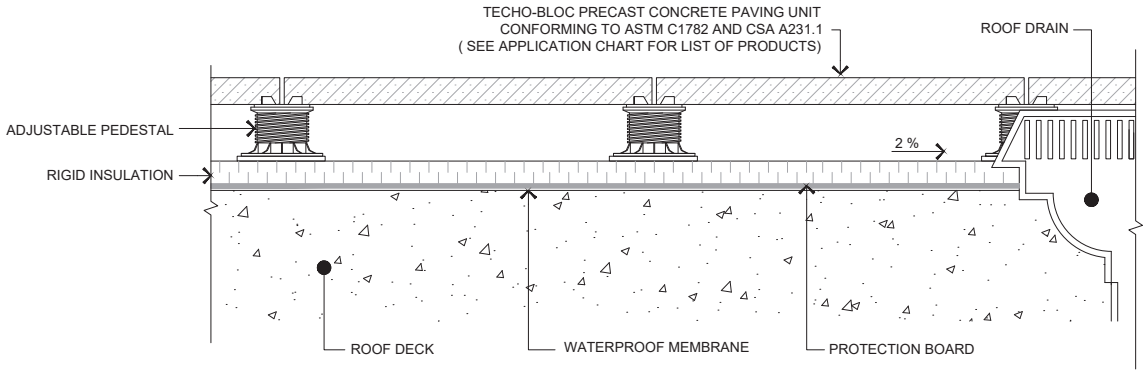
Notes:
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7. For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

INSTALLATION GUIDE

PAVING UNIT ON COMPACTED GRANULAR BASE



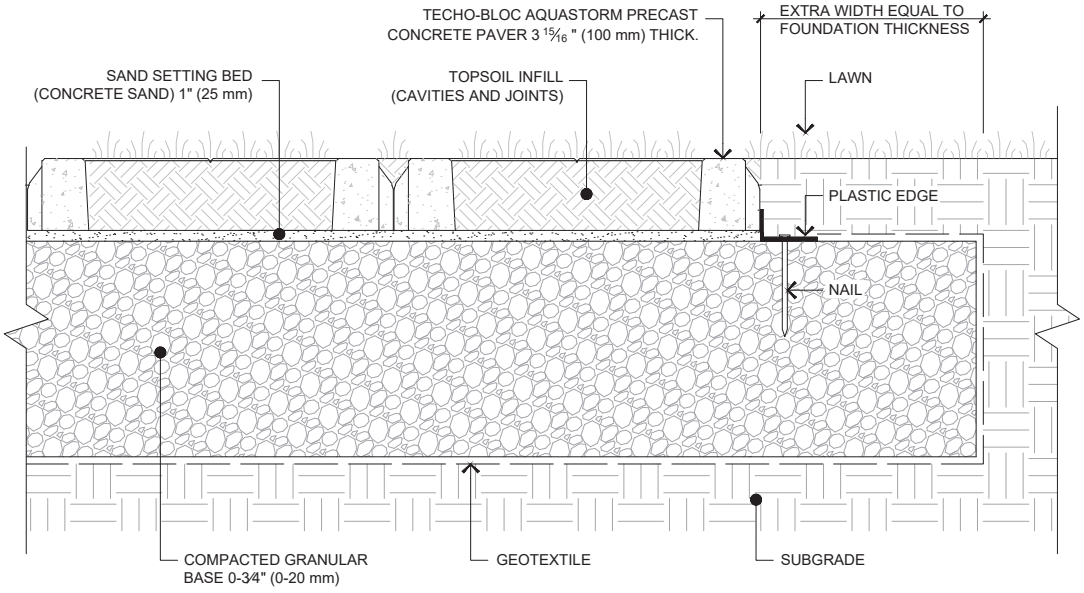
PAVING UNIT ON PEDESTAL SET



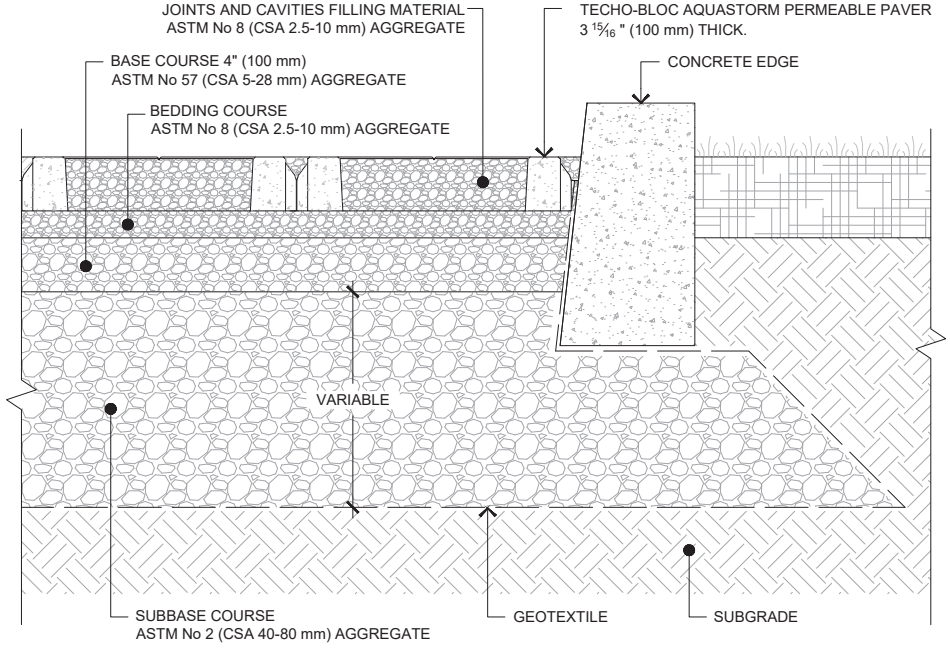
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INSTALLATION GUIDE

CONCRETE GRID PAVER - AQUASTORM (GRASS INFILL)



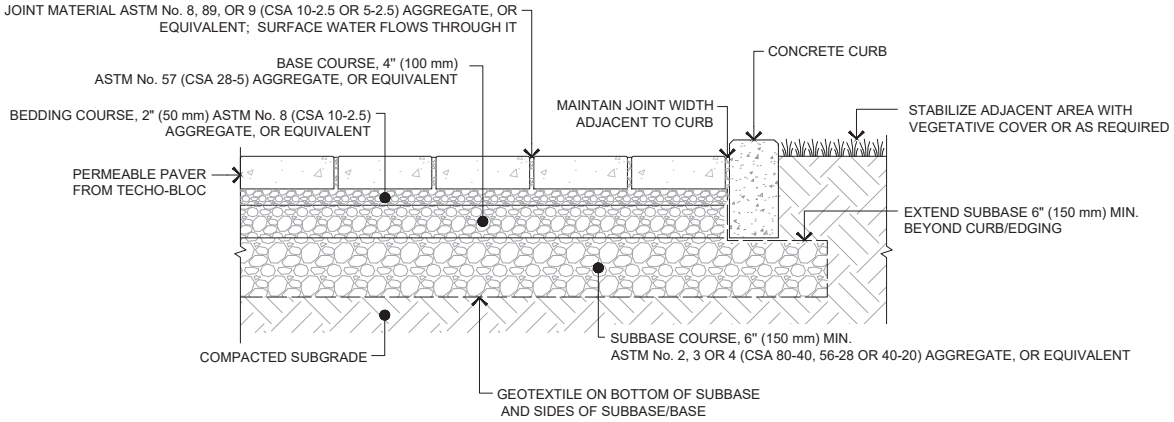
CONCRETE GRID PAVER - AQUASTORM (AGGREGATE INFILL)



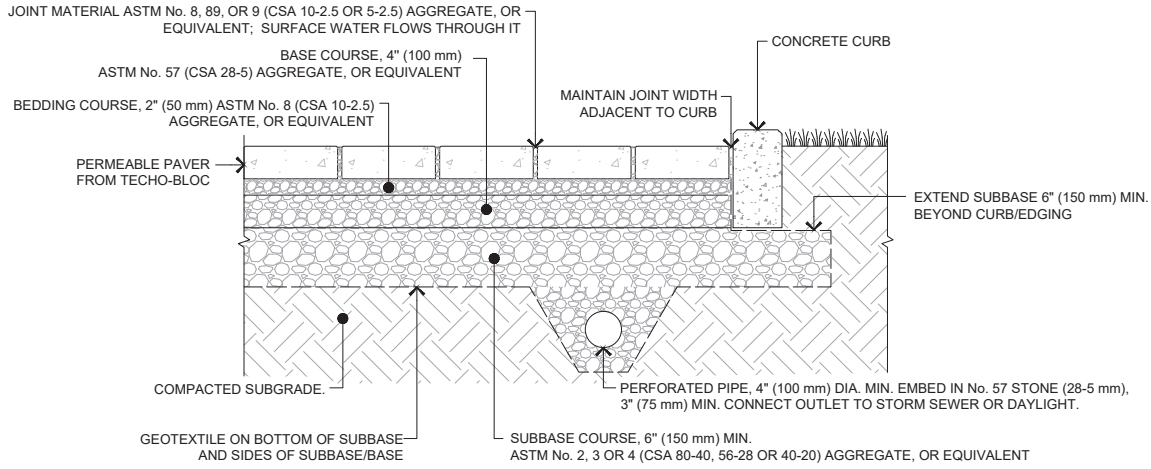
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INSTALLATION GUIDE

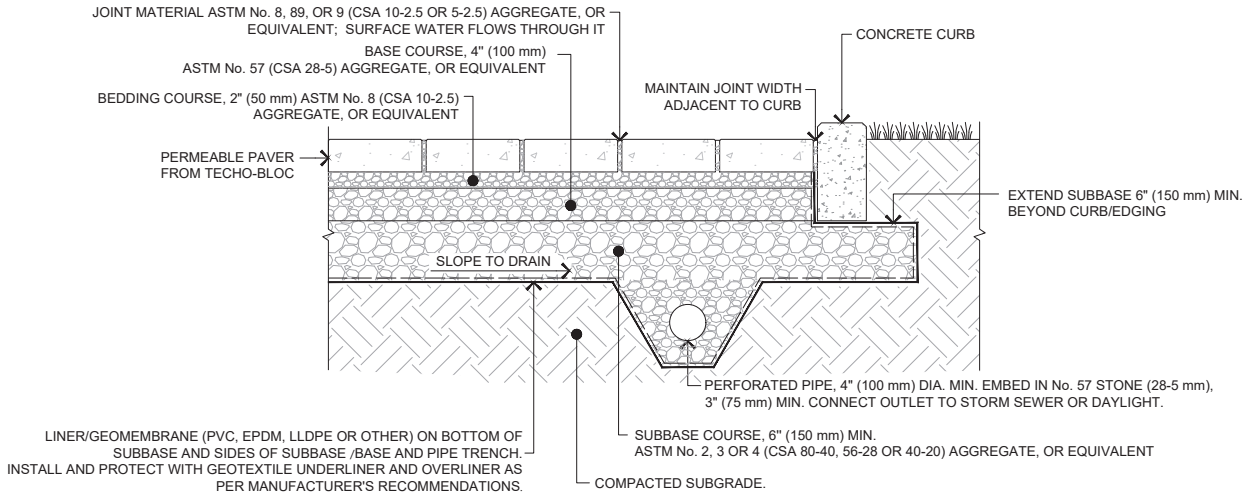
PERMEABLE PAVER - FULL INFILTRATION TO SOIL SUBGRADE



PERMEABLE PAVER - PARTIAL INFILTRATION TO SOIL SUBGRADE



PERMEABLE PAVER - NO INFILTRATION TO SOIL SUBGRADE

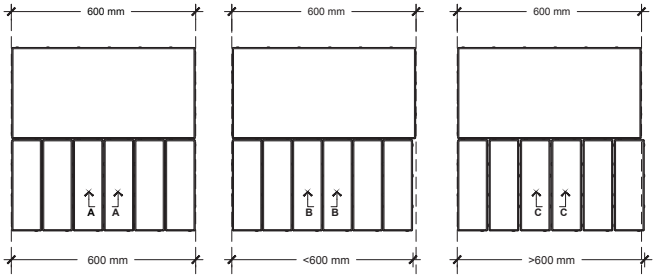


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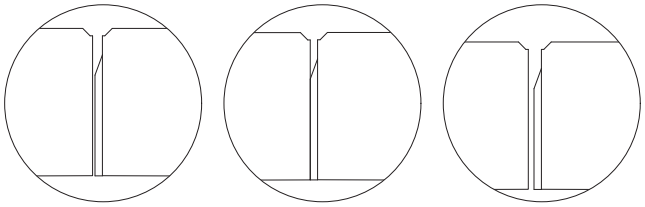
INSTALLATION ACCORDING TO NOMINAL DIMENSIONS

The nominal dimension of a paving unit (width or length) represents the absolute distance between the half-joint on one side of the paving unit and the half-joint on the opposite side. The paving units must be laid while respecting their nominal dimensions. Installed pavers must be neither too tight nor too loose to ensure the performance and integrity of the pavement in service.

Here is an example where pavers of nominal dimension 600x100 mm are laid next to 600x300 mm pavers. If the installation is done according to the nominal dimensions (mid-joint to mid-joint), then at each 600 mm the ends of the pavers will coincide. Otherwise, the installation will be considered tight or loose.



PROPER INSTALLATION | TIGHT INSTALLATION | LOOSE INSTALLATION



A-A | B-B | C-C

PAVING UNITS – JOINT WIDTH

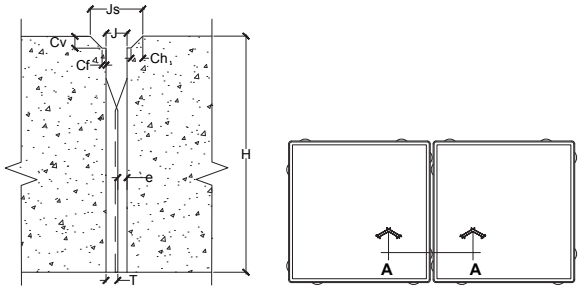
The space between the paving units (excluding the spacer), i.e. the joint width (J), will depend on the thickness of the spacer (T) and the free space (e) between the spacer and the edge side (or spacer) of the adjacent paving unit. To these dimensions are added the dimensions of the chamfer (Ch) and flat shoe (Cf) to determine the joint width on the surface (Js) of the segmental concrete pavement.

Note: The dimensions shown in this table can differ for paving units with slate texture or other type of embossed texture. SLEEK joint width will depend on the spacer position: (i) front to front (largest dimension) or (ii) staggered (smallest dimension).

							CHAMFER			SPACER	
	HEIGHT		NOMINAL JOINT WIDTH (J)		JOINT WIDTH ON THE SURFACE (JS)		FLAT SHOE	VERTICAL	HORIZONTAL	THICKNESS	FREE SPACE
PAVER	H		J1	J2	Js1	Js2	Cf	Cv	Ch	T	e
Aquastorm	100 mm	3 15/16 in.	41.0 mm	-	49.0 mm	-	1.0 mm	3.0 mm	3.0 mm	20.0 mm	1.0 mm
Blu 80 (6x13)	80 mm	3 1/8 in.	7.0 mm		15.0 mm	-	1.0 mm	3.0 mm	3.0 mm	3.0 mm	1.0 mm
Hexa 100 mm	100 mm	3 15/16 in.	2.5 mm	-	7.5 mm		1.0 mm	1.5 mm	1.5 mm	1.5 mm	1.0 mm
Industria	100 mm	3 15/16 in.	3.0 mm	-	11.0 mm	-	1.0 mm	3.0 mm	3.0 mm	2.0 mm	1.0 mm
Linea	100 mm	3 15/16 in.	3.0 mm	-	11.0 mm	-	1.0 mm	3.0 mm	3.0 mm	2.0 mm	1.0 mm
Diamond	100 mm	3 15/16 in.	2.5 mm	-	7.5 mm	-	1.0 mm	1.5 mm	1.5 mm	1.5 mm	1.0 mm
Sleek	90 mm	3 9/16 in.	4.0 mm	2.5 mm	12.0 mm	10.5 mm	1.0 mm	3.0 mm	3.0 mm	1.5 mm	1.0 mm
Westmount	80 mm	3 1/8 in.	3.0 mm		43.0 mm		0.0 mm	1.0 mm	20.0 mm	2.0 mm	1.0 mm
Hydra	100 mm	3 15/16 in.	13.0 mm	-	19.0 mm	-	1.0 mm	3.0 mm	3.0 mm	12.0 mm	1.0 mm
Pure	80 mm	3 1/8 in.	10.0 mm	-	Variable		Variable	7.0 mm	Variable	9.0 mm	1.0 mm

LEGEND

H	HEIGHT
Js	JOINT WIDTH ON THE SURFACE
J	JOINT WIDTH BETWEEN TWO PAVERS (excluding spacers)
Cf	FLAT SHOE CHAMFER
Cv	CHAMFER VERTICAL RISE
Ch	CHAMFER HORIZONTAL DISTANCE
T	THICKNESS OF SPACERS
e	FREE SPACE BETWEEN THE PAVER'S SPACER AND ADJACENT PAVER



Typical Paver Joint

SLABS

PATIOS, WALKWAYS, POOLSIDES & STEPPING STONES



PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS		ASTM C1782	CSA A231.1:19
Flexural strength		725 psi [5.0 MPa]	5.0 MPa min.
Freeze-thaw durability		Mass loss (max.): 225 g/m² at 28 cycles, or Mass loss (max.): 500 g/m² at 49 cycles	Mass loss (max.): 225 g/m² after 28 cycles, or Mass loss (max): 500 g/m² after 49 cycles
Dimensional tolerances (see Notes below):	Length & Width	Units up to and including 24 in. [610 mm]: -0.04 in. [1.0 mm] and +0.08 in. [2.0 mm] Units over 24 in. [610 mm]: -0.06 in. [1.5 mm] and +0.12 in. [3.0 mm]	-1.0 mm to +2.0 mm
	Thickness	± 0.12 in. [3.0 mm]	± 3.0 mm
	Warpage	± 0.08 in. [2.0 mm] (Units up to and including 17.75 in. [450 mm])	± 2.0 mm (Units up to and including 450 mm)
		± 0.12 in. [3.0 mm] (Units over 17.75 in. [450 mm])	± 3.0 mm (Units over 450 mm)

Notes:

1. The dimensional tolerances shown above are prior to the application of architectural finishes.
2. The dimensional tolerances (length, width, thickness, and warpage) stated above apply for dry cast slabs only. In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. Stonedge collection of wet cast slabs include, but are not limited to, the following products: Aberdeen, Borealis, Inca, Maya and Travertina Raw.

INSTALLATION GUIDE

SLABS

INSTALLATION OUTLINE

01 EXCAVATION

A. Before excavating, call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before you continue.

B. When excavating, it is important to achieve a slope in increments of 3⁄16″ per ft (5 mm per 300 mm) which will allow for proper drainage. The excavation should mirror final grade of pavement.

C. The width of the base behind the edge should be equivalent to the thickness of the base.

D. With the help of a rake, grade the bottom of the excavated area. If the natural soil is granular or sandy we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile membrane to prevent the contamination of the base (clay and 0-¾″ [0-20 mm] crushed stone). Refer to the table "**Thickness of the Granular Foundation**" (on next page) to find the minimum thickness of foundation required.

02 FOUNDATION

A. Install the 0-¾″ (0-20 mm) crushed stone base in 4″ (100 mm) lifts with a minimum 5,000 lbf (22 kN) vibrating plate compactor.

B. To facilitate compacting, wet the base material thoroughly and compact with a vibrating plate proceeding in all directions. Continue this process until you achieve the desired height. At this stage, you can verify the final height with the help of a paver.

C. Base tolerance ± ⅜″ (10 mm) for every 10′ (3-m) increment.

03 THE SETTING BED

A. On the compacted crushed base, install two pipes with an outside diameter of 1″ (25 mm). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base isn't properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.

B. Once the setting bed is graded, pre-compact with a hand tamper, then lightly fluff.

04 INSTALLATION OF SLABS

A. Once the choice of slabs and the design have been finalized, it is recommended you start installing the slabs at a 90-degree angle. To obtain a 90-degree angle, use the rule of a 3/4/5-triangle. To do this, proceed as follows: measure a first horizontal line of 3′ (1-m) and a second line of 4′ (1.2 m) perpendicular to the first. Connect a third straight line of 5′ (1.5 m), which will form a triangle, and the result will be a perfect 90-degree angle. While installing the slabs, walk on the installed slabs and fill in gaps caused by the pipes with concrete sand.

B. It is always recommended that you use more than two cubes at a time in order to maximize the color blends. Furthermore, you should proceed with the cubes from top to bottom.

C. You may use a chalk line to mark the stones to be cut along the borders, using a concrete saw. When cutting slabs, we recommend you wear protective ear and eyewear.

D. Once you finish installing the slabs, you can then install Belgik, Pietra, Tundra, or Avignon curbstone. To keep curbs in place, add mortar along the back between the ground and the curbstone or, when available, use their plastic retention systems.

05 FILLING IN JOINTS

A. Spread out the polymer stabilizer sand on the slabs, and sweep in between joints in all directions.

B. Remove excess sand and follow the instructions exactly as indicated on the polymer stabilizer sand packaging.

C. The use of a vibrating plate is not recommended on slabs.

INSTALLATION GUIDE

SLABS

VIBRATING PLATE ALERT!

We do not recommend passing the vibrating plate on slabs.

THICKNESS OF THE GRANULAR FOUNDATION[1]		
RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL	
	Clayey or Silty[2]	Sandy or Gravelly
Patios and Walkways	6″ to 8″ (150 to 200 mm) Minimum	4″ to 6″ (100 to 150 mm) Minimum

1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected by the freeze-thaw cycles, a thicker foundation may be necessary. For soils with these conditions or for commercial, industrial, or institutional works, a geotechnical professional should be consulted.

QUANTITY CHART FOR JOINTS FILLING - FLEXLOCK POLYMERIC SAND

Approximate surface coverage per bag of 50 lbs (22.7 kg).

SLABS	size	sq. ft	sq. m
Aberdeen	30×30	483	44.87
	30×20	388	36.05
	30×10	243	22.56
	20×20	324	30.07
	20×10	216	20.08
Blu 60 mm		90.2	8.37
Blu 60 mm (6″×13″)		42.63	3.96
Blu Grande	60×495×825	118.49	11.01
Blu 45 mm see Overlay section		93	9.5
Borealis	2.25×5×30	124.64	11.58
	2.25×10×30	233.03	21.65
Borealis Stepping Stone	Variable		
Everest	250×250	179	16.63
	250×500	223	20.00
	500×500	336	31.00

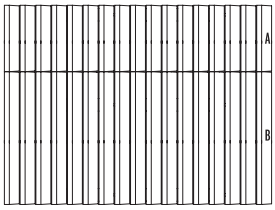
SLABS	size	sq. ft	sq. m
Hexa 60 mm		101.2	9.40
Inca		108.3	10.06
Industria 600 series	600×600×60	204.13	18.96
Flora	600×600×60	204.13	18.96
Maya	Variable		
Ocean Grande		129.7	12.1
Pacific see Overlay section		246.0	22.90
Para	500x250	223	20
	500x500	336	31
	500x750	405	37
Travertina Raw	30×30	483	44.87
	30×20	388	36.05
	20×20	324	30.07
	20×10	216	20.08



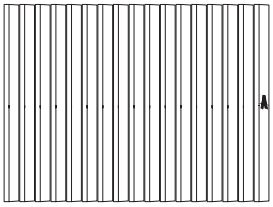
ABERDEEN

DESCRIPTION: Slab **TEXTURE:** Klean-Bloc Slate

PALLET OVERVIEW - 20″×10″ AND 20″×20″



PALLET OVERVIEW - 30″×10″



Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

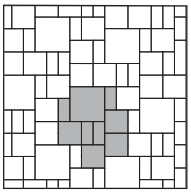
Specifications per pallet (20″×10″ - 20″×20″)		Imperial	Metric
Cubing		**70.83 ft²**	6.58 m²
Approx. Weight		1 789 lbs	811 kg
Number of rows		1	
Coverage per unit	A	1.39 ft²	0.13 m²
	B	2.78 ft²	0.26 m²
Linear coverage per row		42.5 lin. ft	12.95 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¼	57	17 units
	Width	20	508	
	Length	10	254	
B	Height	2 ¼	57	17 units
	Width	20	508	
	Length	20	508	

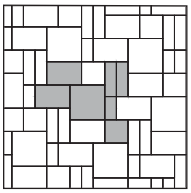
Specifications per pallet (30″×10″)		Imperial	Metric
Cubing		**70.83 ft²**	6.58 m²
Approx. Weight		1 793 lbs	813 kg
Number of rows		2	
Coverage per unit		2.08 ft²	0.19 m²
Linear coverage per row	Depth	42.5 lin. ft	12.95 lin. m
	Length	14.17 lin. ft	4.32 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¼	57	34 units
	Width	30	762	
	Length	10	254	

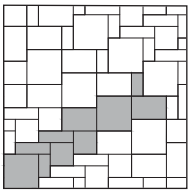
01 | Modular pattern
70% - 20″x20″& 20″x10″ | **30%** - 30″x30″



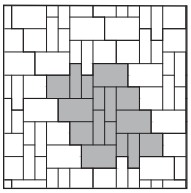
02 | Modular pattern
36% - 30″x20″ | **28%** - 30″x30″
18% - 30″x10″ | **18%** - 20″x20″ & 20″x10″



03 | Modular pattern
38% - 30″x30″ | **25%** - 30″x20″
25% - 20″x20″ & 20″x10″ | **12%** - 30″x10″



04 | Modular pattern
40% - 30″x20″ | **40%** - 20″x20″ & 20″x10″
20% - 30″x10″

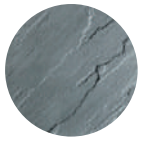


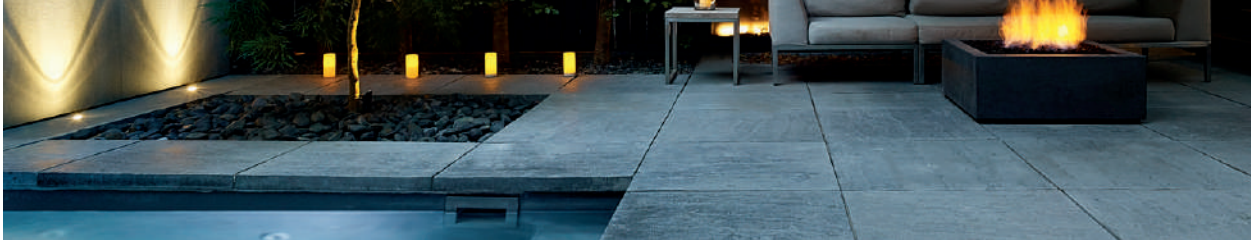
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Rock Garden Brown



Azzurro

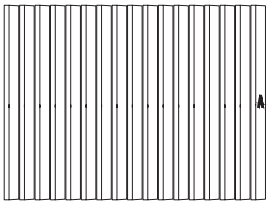




ABERDEEN

DESCRIPTION: Slab **TEXTURE:** Klean-Bloc Slate

PALLET OVERVIEW - 30″×20″AND 30″×30″



Klean-Bloc technology
See page 20.

NOTES

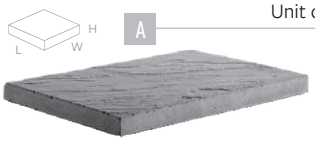
Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

Specifications per pallet		Imperial	Metric
30″×20″	Cubing	**70.83 ft²**	6.58 m²
	Approx. Weight	1 796 lbs	815 kg
	Number of rows	1	
	Coverage per unit	4.17 ft²	0.39 m²
	Linear coverage per row Depth	42.5 lin. ft	12.95 lin. m
	Length	28.3 lin. ft	8.63 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	30	762	
Length	20	508	

Specifications per pallet		Imperial	Metric
30″×30″	Cubing	**106.25 ft²**	9.87 m²
	Approx. Weight	2 610 lbs	1 184 kg
	Number of rows	1	
	Coverage per unit	6.25 ft²	0.58 m²
	Linear coverage per row	42.5 lin. ft	12.95 lin. m

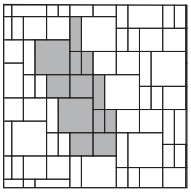


Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	30	762	
Length	30	762	



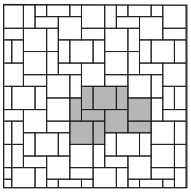
05 | Modular pattern

50% - 20″x20″ & 20″x10″ | **38%** - 30″x30″
12% - 30″x10″



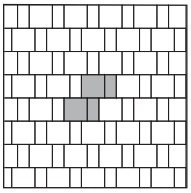
06 | Modular pattern

100% - 20″x20″ & 20″x10″



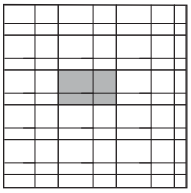
07 | Linear pattern

100% - 20″x20″ & 20″x10″



08 | Linear pattern

40% - 30″x20″ | **40%** - 20″x20″ & 20″x10″
20% - 30″x10″

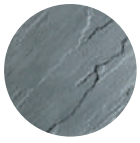


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Rock Garden Brown



Azzurro

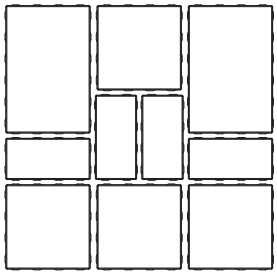




BLU 60 mm

DESCRIPTION: Slab **TEXTURE:** Slate and HD² Slate

PALLET OVERVIEW





NOTES

See page 31 to 33 for more technical information.
When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

*Sandlewood HD² Slate is only available in Eastern States. See page 16 for list of Eastern and Midwestern States.

**HD² Slate is only available in USA.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

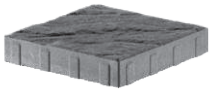
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Approx. Weight slate	3 148 lbs	1 428 kg
Approx. Weight slate aged	3 170 lbs	1 438 kg
Approx. Weight HD² Slate	3 268 lbs	1 482 kg
Number of rows	11	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.81 lin. ft	3.02 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	2 ⅜	60	44 units
	Width	13	330	
	Length	6 ½	165	
B	Height	2 ⅜	60	44 units
	Width	13	330	
	Length	13	330	
C	Height	2 ⅜	60	22 units
	Width	13	330	
	Length	19 ½	495	

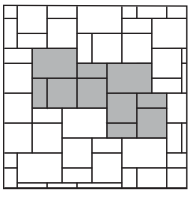




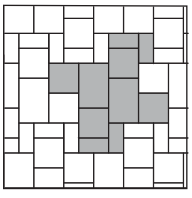


**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

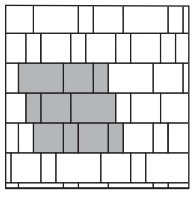
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Slate**
Slate



Sandlewood*
HD² Slate**
Slate



Champlain Grey
HD² Slate**
Slate



Shale Grey
HD² Slate**
Slate

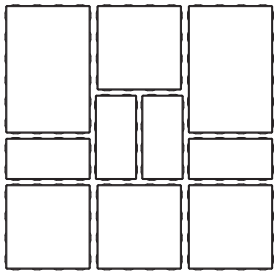




BLU 60 mm

DESCRIPTION: Slab **TEXTURE:** Smooth and HD² smooth

PALLET OVERVIEW





WNOTES

See page 31 to 33 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

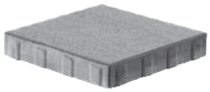
**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Approx. Weight Smooth	3 170 lbs	1 438 kg
Approx. Weight HD² Smooth	3 295 lbs	1 495 kg
Number of rows	11	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.81 lin. ft	3.02 lin. m



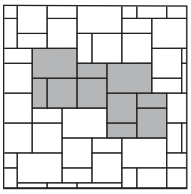
	Unit dimensions	in	mm	Units/pallet
A	Height	2 ⅜	60	44 units
	Width	13	330	
	Length	6 ½	165	
B	Height	2 ⅜	60	44 units
	Width	13	330	
	Length	13	330	
C	Height	2 ⅜	60	22 units
	Width	13	330	
	Length	19 ½	495	



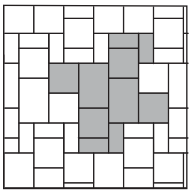




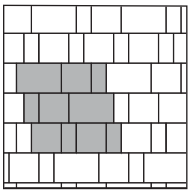
01 | Modular pattern



02 | Modular pattern



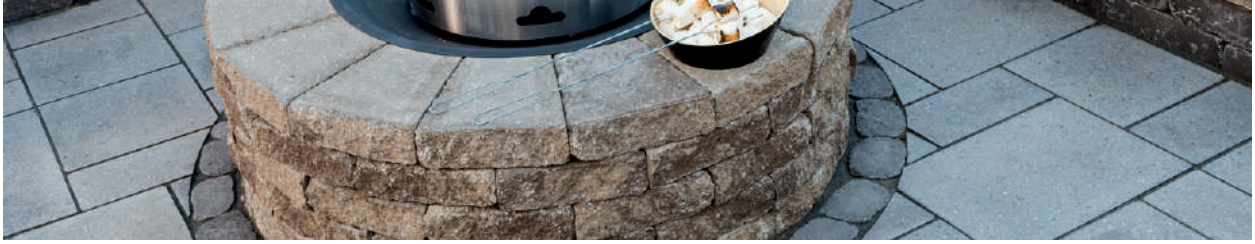
03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown	Champlain Grey	Beige Cream	Greyed Nickel	Shale Grey	Onyx Black
HD² Smooth Smooth	HD² Smooth Smooth	Smooth	HD² Smooth Smooth	HD² Smooth Smooth	HD² Smooth Smooth

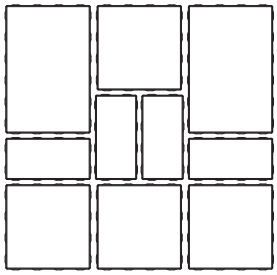




BLU 60 mm

DESCRIPTION: Slab **TEXTURE:** Polished

PALLET OVERVIEW





NOTES

See page 31 to 33 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

Polished is made-to-order, minimum order of 500 sq. ft. Deposit required.

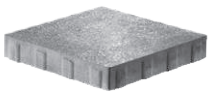
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Approx. Weight	3 125 lbs	1 417 kg
Number of rows	11	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.81 lin. ft	3.02 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	2 5/16	58	44 units
	Width	13	330	
	Length	6 ½	165	
B	Height	2 5/16	58	44 units
	Width	13	330	
	Length	13	330	
C	Height	2 5/16	58	22 units
	Width	13	330	
	Length	19 ½	495	

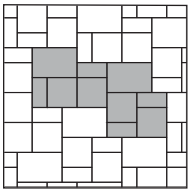




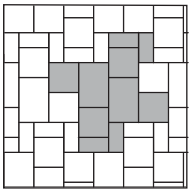


**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

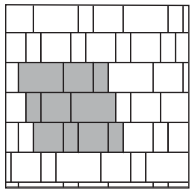
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

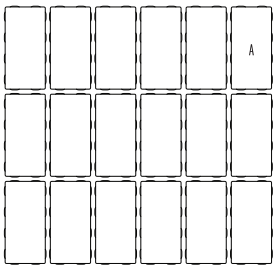




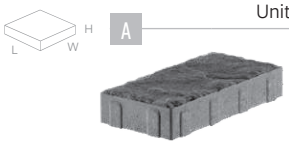
BLU 60 mm (6″×13″)

DESCRIPTION: Slab **TEXTURE:** Slate and HD² Slate

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**116.05 ft²**	10.78 m²
Approx. Weight Slate		3 138 lbs	1 423 kg
Approx. Weight HD² Slate		3 183 lbs	1 444 kg
Number of rows		11	
Coverage per row		10.55 ft²	0.98 m²
Linear coverage per row	Depth	19.5 lin. ft	5.94 lin. m
	Length	9.75 lin. ft	2.97 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	198 units
Width	13	330	
Length	6 ½	165	

NOTES

See page 31 to 33 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

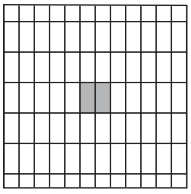
See page 25 for more information about applications.

*HD² Slate is only available in USA.

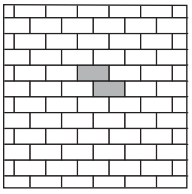
JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.8%
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

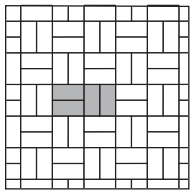
08 | Linear pattern



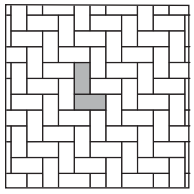
09 | Linear pattern



10 | Parquet pattern



11 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown
Slate



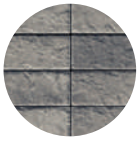
Chestnut Brown
HD² Slate*
Slate



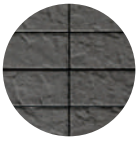
Champlain Grey
HD² Slate*
Slate



Shale Grey
HD² Slate*
Slate



Onyx Black
HD² Slate*
Slate

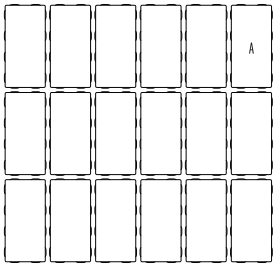




BLU 60 mm (6″×13″)

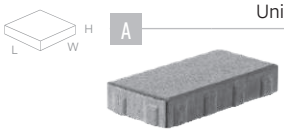
DESCRIPTION: Slab **TEXTURE:** Smooth and HD² Smooth

PALLET OVERVIEW





Specifications per pallet		Imperial	Metric
Cubing		**116.05 ft²**	10.78 m²
Approx. Weight Smooth		3 138 lbs	1 423 kg
Approx. Weight HD² Smooth		3 147 lbs	1 427 kg
Number of rows		11	
Coverage per row		10.55 ft²	0.98 m²
Linear coverage per row	Depth	19.5 lin. ft	5.94 lin. m
	Length	9.75 lin. ft	2.97 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	198 units
Width	13	330	
Length	6 ½	165	

NOTES

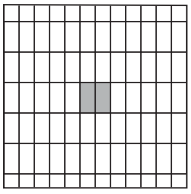
See page 31 to 33 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

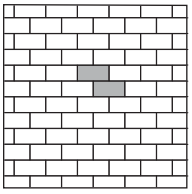
JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.8%
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

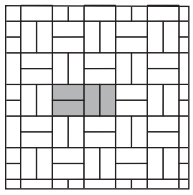
08 | Linear pattern



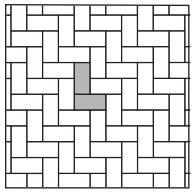
09 | Linear pattern



10 | Parquet pattern



11 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown
Smooth



Chestnut Brown
HD² Smooth
Smooth



Champlain Grey
HD² Smooth
Smooth



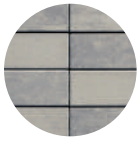
Beige Cream
Smooth



Greyed Nickel
HD² Smooth
Smooth



Shale Grey
HD² Smooth
Smooth



Onyx Black
HD² Smooth
Smooth

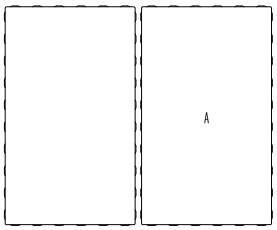




BLU GRANDE

DESCRIPTION: Slab **TEXTURE:** Slate and HD² Slate

PALLET OVERVIEW



D HD²

NOTES

See page 31 to 33 for more technical information.

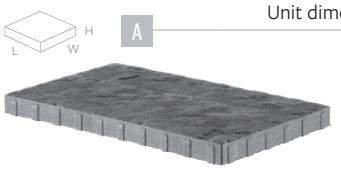
See page 25 for more information about applications.

Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 776 lb (352 kg)

The application on pedestal Set for Blu Grande is recommended for Blu Grande in HD² only.

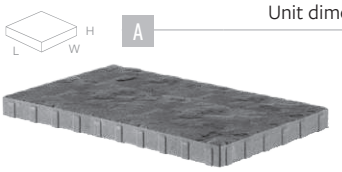
**HD² Slate is only available in USA.

Specifications per pallet		Imperial	Metric
SLATE	Cubing	**87.91 ft²**	8.17 m²
	Approx. Weight	2 434 lbs	1 104 kg
	Number of rows	10	
	Coverage per row	8.79 ft²	0.82 m²
	Linear coverage per row Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m



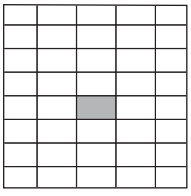
Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	20 units
Width	19 ½	495	
Length	32 ½	825	

Specifications per pallet		Imperial	Metric
SLATE HD²	Cubing	**96.71 ft²**	8.98 m²
	Approx. Weight	2 689 lbs	1 220 kg
	Number of rows	11	
	Coverage per row	8.79 ft²	0.82 m²
	Linear coverage per row Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m

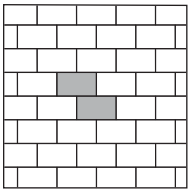


Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	22 units
Width	19 ½	495	
Length	32 ½	825	

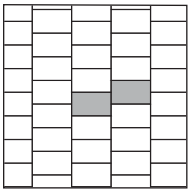
04 | Linear pattern



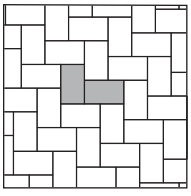
05 | Linear pattern



06 | Linear pattern



07 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Slate**
Slate



Sandlewood
HD² Slate**
Slate



Champlain Grey
HD² Slate**
Slate



Shale Grey
HD² Slate**
Slate

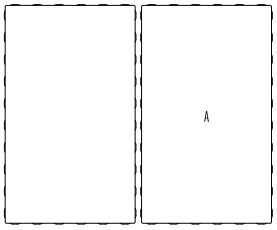




BLU GRANDE

DESCRIPTION: Slab **TEXTURE:** Smooth and HD² Smooth

PALLET OVERVIEW



D HD²

NOTES

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 776 lb (352 kg)

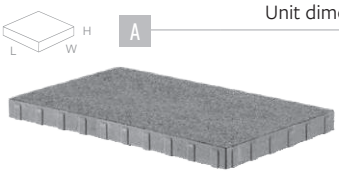
The application on pedestal Set for Blu Grande is recommended for Blu Grande in HD² only.

Specifications per pallet		Imperial	Metric
SMOOTH	Cubing	**87.91 ft²**	8.17 m²
	Approx. Weight	2 382 lbs	1 081 kg
	Number of rows	10	
	Coverage per row	8.79 ft²	0.82 m²
	Linear coverage per row Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m



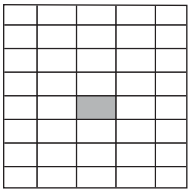
Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	20 units
Width	19 ½	495	
Length	32 ½	825	

Specifications per pallet		Imperial	Metric
SMOOTH HD²	Cubing	**96.71 ft²**	8.98 m²
	Approx. Weight	2 744 lbs	1 244 kg
	Number of rows	11	
	Coverage per row	8.79 ft²	0.82 m²
	Linear coverage per row Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m

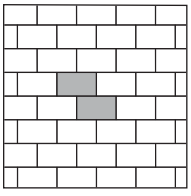


Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	22 units
Width	19 ½	495	
Length	32 ½	825	

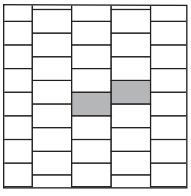
04 | Linear pattern



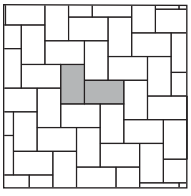
05 | Linear pattern



06 | Linear pattern



07 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Smooth
Smooth



Champlain Grey
HD² Smooth
Smooth



Beige Cream
Smooth



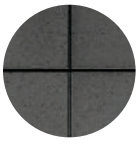
Greyed Nickel
HD² Smooth
Smooth



Shale Grey
HD² Smooth
Smooth



Onyx Black
Smooth

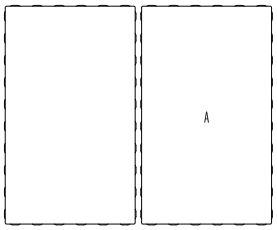




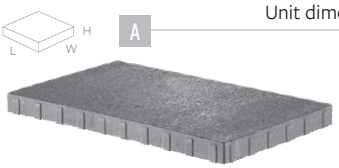
BLU GRANDE

DESCRIPTION: Slab **TEXTURE:** Polished

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
POLISHED	Cubing	**87.91 ft²**	8.17 m²
	Approx. Weight	2 525 lbs	1 145 kg
	Number of rows	10	
	Coverage per row	8.79 ft²	0.82 m²
	Linear coverage per row Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 5/16	58	20 units
Width	19 ½	495	
Length	32 ½	825	

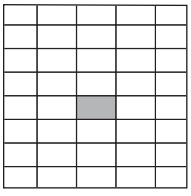
NOTES

See page 31 to 33 for more technical information.

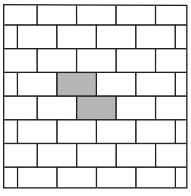
See page 25 for more information about applications.

Polished is made-to-order, minimum order of 500 sq. ft. Deposit required.

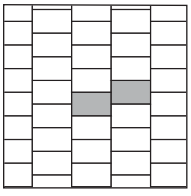
04 | Linear pattern



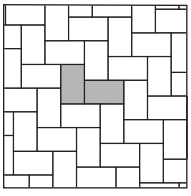
05 | Linear pattern



06 | Linear pattern

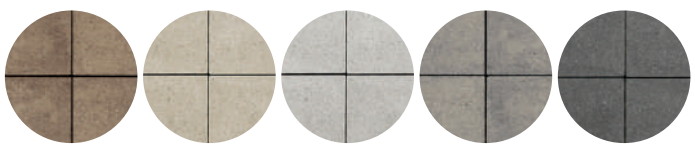


07 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

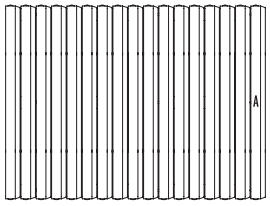




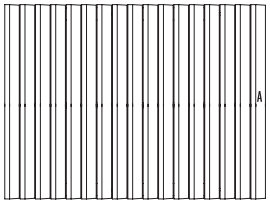
BOREALIS

DESCRIPTION: Slab **TEXTURE:** Klean-Bloc Wood

PALLET OVERVIEW - 5×30



PALLET OVERVIEW - 10×30





Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

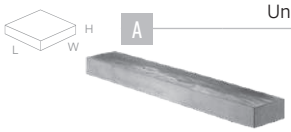
In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 31.

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

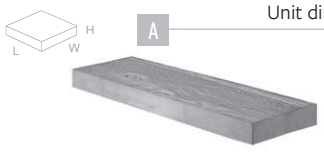
IMPORTANT: When installing Borealis 5x30 or Borealis 10x30, it is recommended to have a gap between 1/16 and 3/16 in. (2 and 5 mm), between the units, to allow the sand to enter between each unit.

Specifications per pallet		Imperial	Metric
5″×30″	Cubing	**68 units**	68 units
		70.83 ft²	6.58 m²
	Units	1.04 ft²	0.10 m²
	Approx. Weight	1 784 lbs	809 kg
	Number of rows	4	
	Coverage per row	17.71 ft²	1.65 m²
	Linear coverage per row Depth	7.08 lin. ft	2.16 lin. m
	Length	42.5 lin. ft	12.96 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	68 units
Width	5	127	
Length	30	762	

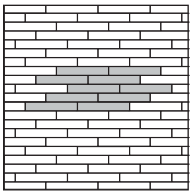
Specifications per pallet		Imperial	Metric
10″×30″	Cubing	**34 units**	34 units
		70.83 ft²	6.58 m²
	Approx. Weight	1 881 lbs	853 kg
	Units	2.08 ft²	0.19 m²
	Number of rows	2	
	Coverage per row	35.42 ft²	3.29 m²
	Linear coverage per row Depth	42.5 lin. ft	12.95 lin. m
	Length	14.2 lin. ft	4.33 lin. m



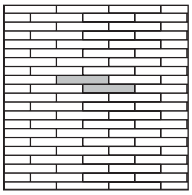
Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	34 units
Width	10	254	
Length	30	762	



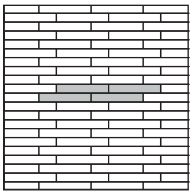
01 | Linear pattern
100% - 5x30



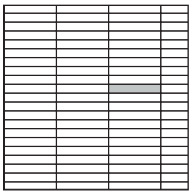
02 | Linear pattern
100% - 5x30



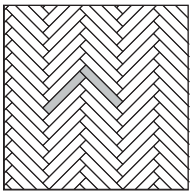
03 | Linear pattern
100% - 5x30



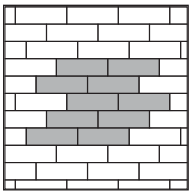
04 | Linear pattern
100% - 5x30



05 | Herringbone pattern
100% - 5x30



06 | Linear pattern
100% - 10x30



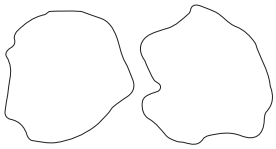
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



BOREALIS STEPPING STONES

DESCRIPTION: Slab **TEXTURE:** Wood

PALLET OVERVIEW

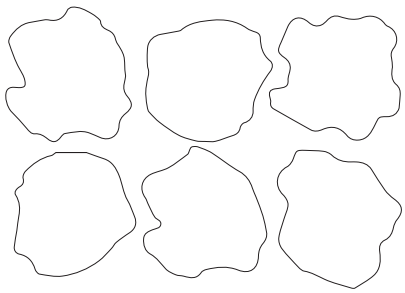


NOTES

In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 31.

See page 31 to 33 for more technical information.

See page 25 for more information about applications.



6 different shapes available

Specifications per pallet	Imperial	Metric
Cubing	**64 pi² / pal**	5.95 m² / pal
Approx. Weight per pallet	1 257 lbs	570 kg
Number of rows	8	
Coverage per unit	4 ft²	0.37 m²



A-F

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	16 units
Width	24	610	
Length	24	610	



Hazelnut Brandy

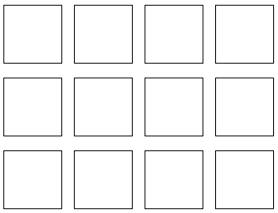




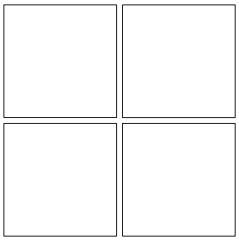
EVEREST SQUARE

DESCRIPTION: Slab **TEXTURE*:** HD² Natural Stone / HD²+ Natural Stone (while quantities last)

PALLET OVERVIEW - 250×250

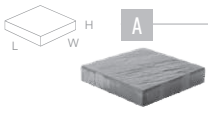


500×500



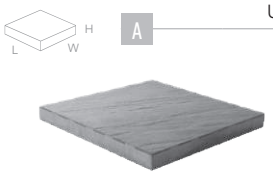


Specifications per pallet	Imperial	Metric
Cubing	**88.80 ft²**	8.25 m²
Approx. Weight	2 547 lbs	1 155 kg
Number of rows	11	
Coverage per row	8.07 ft²	0.75 m²



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	132 units
Width	9 13/16	250	
Length	9 13/16	250	

Specifications per pallet	Imperial	Metric
Cubing	**118.40 ft²**	11 m²
Approx. Weight	3 383 lbs	1 535 kg
Number of rows	11	
Coverage per row	10.76 ft²	1 m²



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	44 units
Width	19 11/16	500	
Length	19 11/16	500	

NOTES

Pedestal Set Application:
Everest 500x500 can be used with pedestals at each corner (pedestrian use only). Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 1 300 lb (590 kg)

See page 31 to 33 for more technical information.

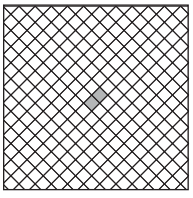
See page 25 for more information about applications.

*HD²+ and HD² product should not be mixed on a job.

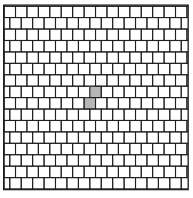
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.



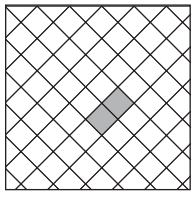
01 | Linear pattern
100% - 250x250



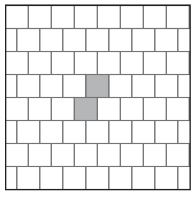
02 | Linear pattern
100% - 250x250



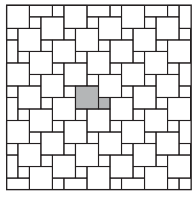
08 | Linear pattern
100% - 500x500



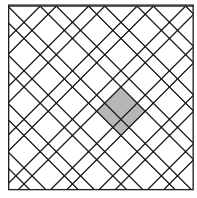
09 | Linear pattern
100% - 500x500



10 | Modular pattern
80% - 500x500 | **20%** 250x250



12 | Modular pattern
45% - 500x500 | **45%** 250x500 | **10%** 250x250



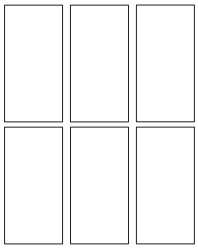
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



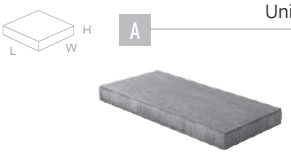
EVEREST RECTANGLE

DESCRIPTION: Slab **TEXTURE*:** HD² Natural Stone / HD²+ Natural Stone (while quantities last)

PALLET OVERVIEW - 250×500



Specifications per pallet	Imperial	Metric
Cubing	**88.80 ft²**	8.25 m²
Approx. Weight	2 547 lbs	1 155 kg
Number of rows	11	
Coverage per row	8.07 ft²	0.75 m²



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	66 units
Width	9 13/16	250	
Length	19 11/16	500	

NOTES

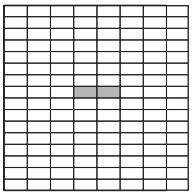
See page 31 to 33 for more technical information.

See page 25 for more information about applications.

*HD²+ and HD² product should not be mixed on a job.

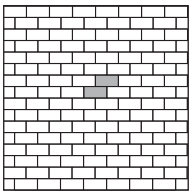
03 | Linear pattern

100% - 250x500



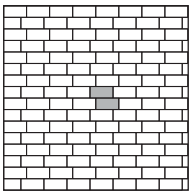
04 | Linear pattern

100% - 250x500



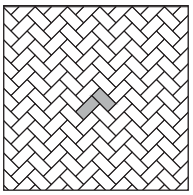
05 | Linear pattern

100% - 250x500



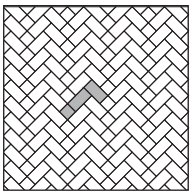
06 | Herringbone pattern

100% - 250x500



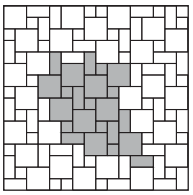
07 | Herringbone Pattern

80% - 250x500 | **20%** - 250x250



11 | Modular pattern

63% - 500x500 | **25%** 250x500 | **12%** 250x250



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Merlot



Chestnut Brown



Greyed Nickel



Shale Grey

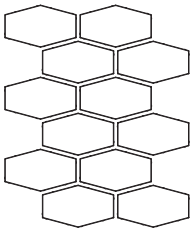




HEXA 60 mm

DESCRIPTION: Slab **TEXTURE*:** HD² Smooth / HD²+ Smooth (while quantities last)

PALLET OVERVIEW

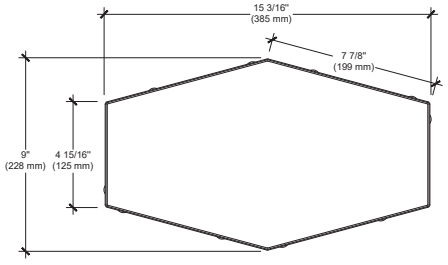


Specifications per pallet	Imperial	Metric
Cubing	96.55 ft²	8.97 m²
Approx. Weight	2 824 lbs	1 281 kg
Number of rows	11	
Coverage per row	8.78 ft²	0.82 m²
Linear coverage per row	-	-
	-	-



Unit dimensions	in	mm	Units/pallet
A			
Height	2 3/8	60	132 units
Width	9	228	
Length	15 3/16	385	





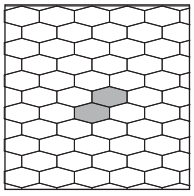
NOTES

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

*HD²+ and HD² product should not be mixed on a job.

01 | Hexagon pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

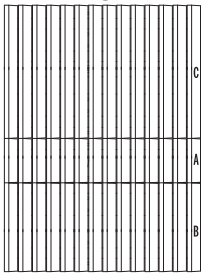




INCA

DESCRIPTION: Slab **TEXTURE:** HD² Slate

PALLET OVERVIEW



NOTES

Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 31.

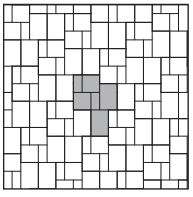
See page 31 to 33 for more technical information.

See page 25 for more information about applications.

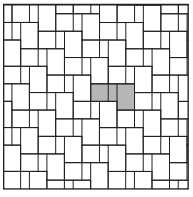
Specifications per pallet	Imperial	Metric
Cubing	**66.50 ft²**	6.18 m²
Approx. Weight	1 640 lbs	744 kg
Number of rows	1	
Linear coverage per row	52.5 lin. ft	16 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	2	51	14 units
	Width	15	381	
	Length	7 ½	191	
B	Height	2	51	14 units
	Width	15	381	
	Length	15	381	
C	Height	2	51	14 units
	Width	15	381	
	Length	22 ½	572	

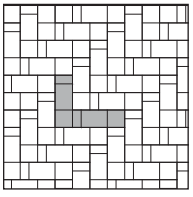
01 | Modular pattern



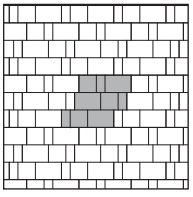
02 | Herringbone pattern



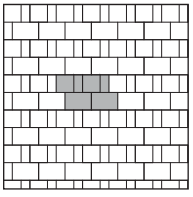
03 | Herringbone pattern



04 | Linear pattern



05 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Victoria



Riviera

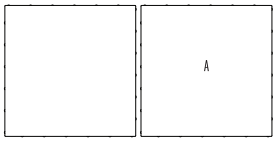




INDUSTRIA SLAB

DESCRIPTION: Slab **TEXTURE:** HD² Smooth, HD² Granitex or HD² Polished

PALLET OVERVIEW



EXPANDING DESIGN HORIZONS WITH LIVEABLE ROOFTOPS.

COOL ROOF
High Solar Reflectivity

LENGTHENS ROOF LIFE SPAN
Protects the waterproofing membrane from UV rays and accidental perforations.

EASY ACCESS FOR MAINTENANCE
When installed on pedestals, INDUSTRIA slab can be moved for roof system maintenance.

NOTES

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

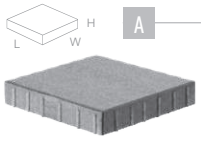
HD² Polished and HD² Granitex is made-to-order, minimum order of 500 sq. ft.
Deposit required.

Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 1441 lb (653 kg)

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet*		Imperial	Metric
Smooth and Granitex	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	1 567 lbs	711 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m

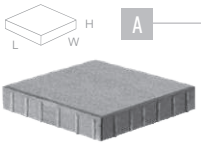
Specifications per pallet**			Imperial	Metric
Smooth and Granitex	Cubing		**85.25 ft²**	7.92 m²
	Approx. Weight		2 432 lbs	1 103 kg
	Number of rows		11	
	Coverage per row		7.75 ft²	0.72 m²
	Linear coverage per row	Depth	3.94 lin. ft	1.20 lin. m
		Length	3.94 lin. ft	1.20 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	14 units*
Width	23 5/8	600	22 units**
Length	23 5/8	600	

Specifications per pallet*		Imperial	Metric
Polished	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	1 555 lbs	705 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m

Specifications per pallet**			Imperial	Metric
Polished	Cubing		**85.25 ft²**	7.92 m²
	Approx. Weight		2 432 lbs	1 103 kg
	Number of rows		11	
	Coverage per row		7.75 ft²	0.72 m²
	Linear coverage per row	Depth	3.94 lin. ft	1.20 lin. m
		Length	3.94 lin. ft	1.20 lin. m

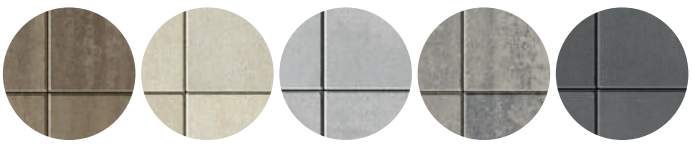


Unit dimensions	in	mm	Units/pallet
Height	2 5/16	58	14 units*
Width	23 5/8	600	22 units**
Length	23 5/8	600	

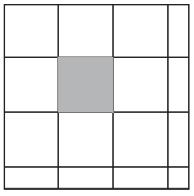
*Available while quantities last
**New packaging - Available Summer 2023

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

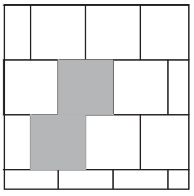
HD² Smooth / HD² Polished / HD² Granitex



29 | Linear pattern
100% 600x600



30 | Linear pattern
100% 600x600



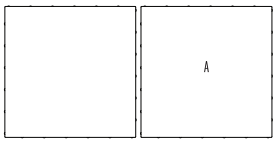
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



FLORA SLAB

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

PALLET OVERVIEW



EXPANDING DESIGN HORIZONS WITH LIVEABLE ROOFTOPS.

COOL ROOF
High Solar Reflectivity

LENGTHENS ROOF LIFE SPAN
Protects the waterproofing membrane from UV rays and accidental perforations.

EASY ACCESS FOR MAINTENANCE
When installed on pedestals, INDUSTRIA slab can be moved for roof system maintenance.

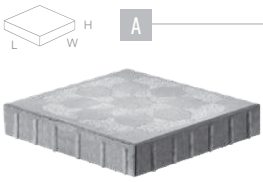
NOTES

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

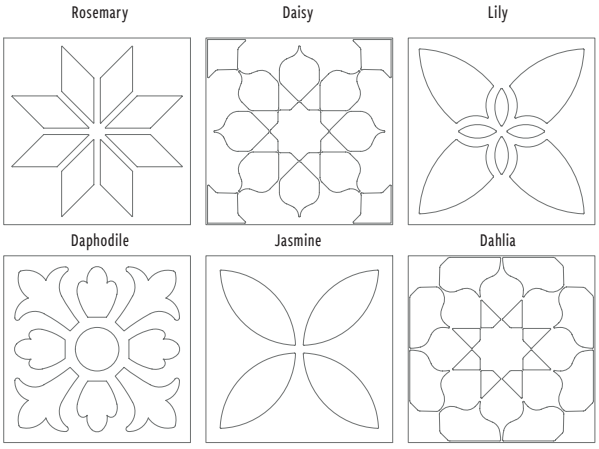
Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 1441 lb (653 kg)

Specifications per pallet		Imperial	Metric
HD² Smooth	Cubing	**85.25 ft²**	7.92 m²
	Approx. Weight	2 432 lbs	1 103 kg
	Number of rows	11	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row Depth	3.94 lin. ft	1.20 lin. m
	Linear coverage per row Length	3.94 lin. ft	1.20 lin. m

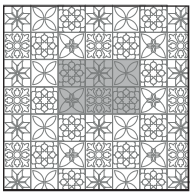


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	22 units
Width	23 5/8	600	
Length	23 5/8	600	

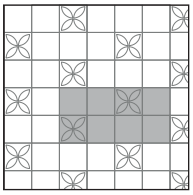
Patterns



01 | All 6 Flora Pattern

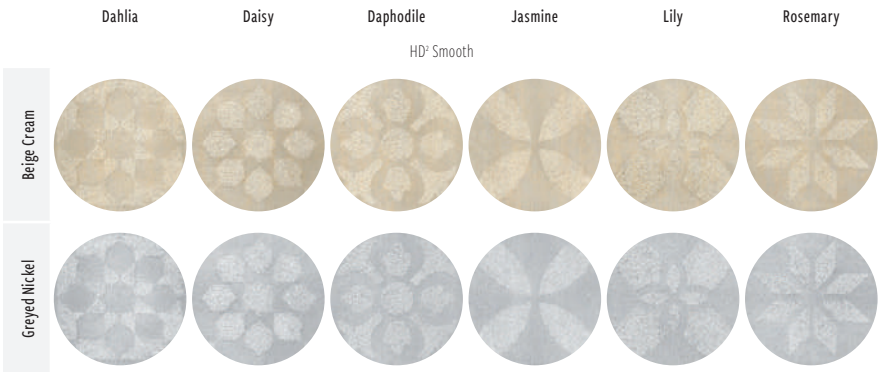


02 | 75% 600x600 / 25% Flora



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

HD² Smooth

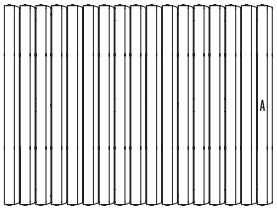




MAYA

DESCRIPTION: Slab **TEXTURE:** Natural stone (Slate)

PALLET OVERVIEW





NOTES

Palletized upright.

It is preferable to lay the stones in a random configuration.

Each pallet contains a variation of four different shapes.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 31.

See page 31 to 33 for more technical information.

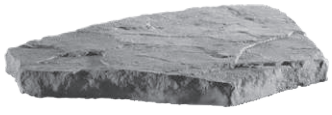
See page 25 for more information about applications.

Specifications per pallet	Imperial	Metric
Cubing	**17 units**	17 units
Approx. Weight per pallet	1 695 lbs	769 kg
Approx. Weight by unit	89 lbs	41 kg
Number of rows	1	
Coverage per unit	4.95 ft^2	0.46 m^2
Coverage per pallet	84.15 ft^2	7.82 m^2



A-F

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	23	584	
Length	31	788	



Victoria



Riviera

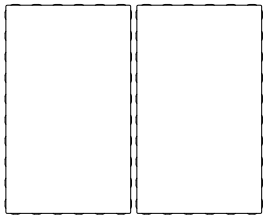




OCEAN GRANDE

DESCRIPTION: Slab **TEXTURE:** HD² Ocean Waves

PALLET OVERVIEW -



Specifications per pallet	Imperial	Metric
Cubing	**96.71 ft²**	8.98 m²
Approx. Weight	2 830 lbs	1 284 kg
Number of rows	11	
Coverage per row	8.79 ft²	0.82 m²
Depth	5.41 lin. ft	1.65 lin. m
Length	3.25 lin. ft	0.99 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	22 units
Width	19 ½	495	
Length	32 ½	825	

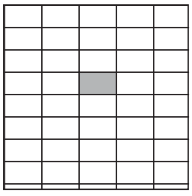


NOTES

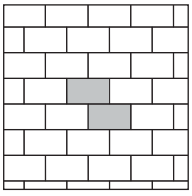
See page 31 to 33 for more technical information.

See page 25 for more information about applications.

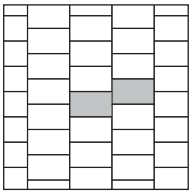
01 | Linear pattern



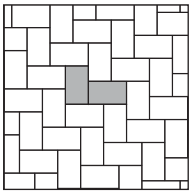
02 | Linear pattern



03 | Linear pattern



04 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Beige Cream



Greyed Nickel

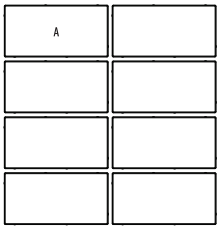




PARA 500 X 250 & 500 X 500

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

PALLET OVERVIEW 500 X 250





Specifications per pallet		Imperial	Metric
Cubing		**118.40 ft²**	11 m²
Approx. Weight		3 422 lbs	1 552 kg
Number of rows		11	
Coverage per row		10.76 ft²	1 m²
	Length	6.56 lin. ft	2 lin. m
	Depth	13.12 lin. ft	4 lin. m

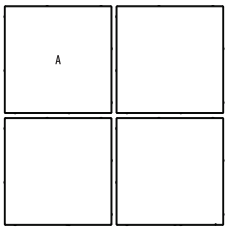


A



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	88 units
Width	19 11/16	500	
Length	9 13/16	250	

PALLET OVERVIEW 500 X 500





Specifications per pallet	Imperial	Metric
Cubing	**118.40 ft²**	11 m²
Approx. Weight	3 403 lb	1 544 kg
Number of rows	11	
Coverage per row	10.76 ft²	1 m²
Linear coverage per row	6.56 lin. ft	2 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	44 units
Width	19 11/16	500	
Length	19 11/16	500	

NOTES

Pedestal Set Application:

Para 500x500 can be used with pedestals at each corner (pedestrian use only). Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 1 300 lb (590 kg)

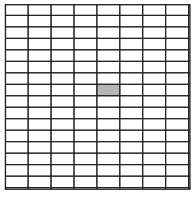
See page 31 to 33 for more technical information.

See page 25 for more information about applications.

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

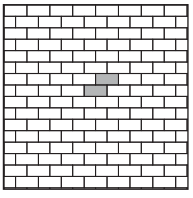
01 | Linear pattern

100% - 500x250



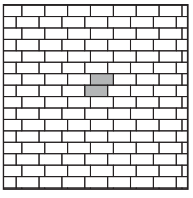
02 | Linear pattern

100% - 500x250



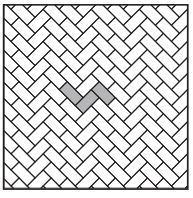
03 | Linear pattern

100% - 500x250



04 | Herringbone pattern

100% - 500x250



Beige Cream

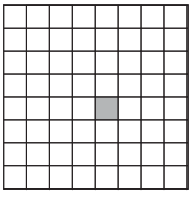
Greyed Nickel

Onyx Black



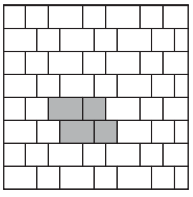
05 | Linear pattern

100% - 500x500



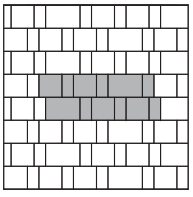
11 | Linear pattern

50% 500X750 | **50%** 500X500



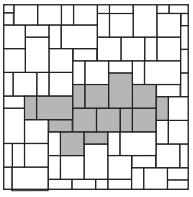
12 | Linear pattern

40% 500X500 | **32%** 500X250 **28%** 500X750



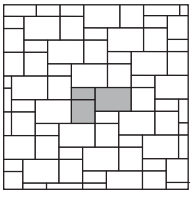
13 | Modular pattern

50% 500X500 | **25%** 500X250 | **25%** 500x750



14 | Herringbone pattern

50% 500X750 | **32%** 500X500 | **18%** 500X250



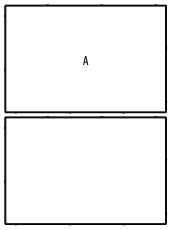
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



PARA 500 X 750

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**88.80 ft²**	8.25 m²
Approx. Weight		2 537 lbs	1 151 kg
Number of rows		11	
Coverage per row		8.07 ft²	0.75 m²
	Length	4.92 lin. ft	1.50 lin. m
	Depth	3.28 lin. ft	1 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	22 units
Width	19 ¹¹⁄₁₆	500	
Length	29 ½	750	

NOTES

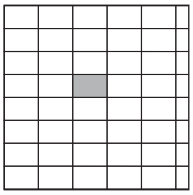
See page 31 to 33 for more technical information.

See page 25 for more information about applications.

Allowable load Capacity of slab on pedestal set (including a safety factor of 2): 1135 lb (514 kg)

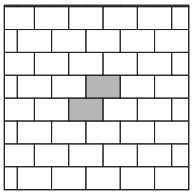
06 | Linear pattern

100% - 500x750



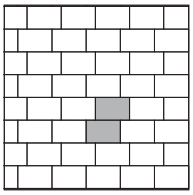
07 | Linear pattern

100% - 500x750



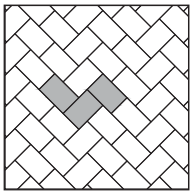
08 | Linear pattern

100% - 500x750



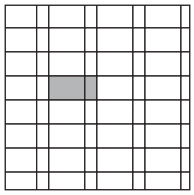
09 | Herringbone pattern

100% - 500x750



10 | Linear pattern

75% 500X750 | **25%** 500X250



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Beige Cream



Greyed Nickel



Onyx Black

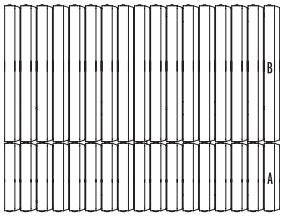




TRAVERTINA RAW

DESCRIPTION: Slab **TEXTURE:** Klean-Bloc Brushed Travertine

PALLET OVERVIEW - 20″×20″ AND 20″×10″



Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 31 to 33 for more technical information.

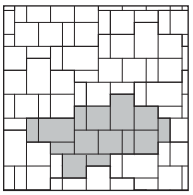
See page 25 for more information about applications.

Specifications per pallet		Imperial	Metric
20″×20″ - 20″×10″	Cubing	**70.83 ft²**	6.58 m²
	Approx. Weight	1 812 lbs	822 kg
	Number of rows	1	
	Coverage per unit A	1.39 ft²	0.13 m²
	Coverage per unit B	2.78 ft²	0.26 m²
	Linear coverage per row	42.5 lin. ft	12.95 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¼	57	17 units
	Width	20	508	
	Length	10	254	
B	Height	2 ¼	57	17 units
	Width	20	508	
	Length	20	508	

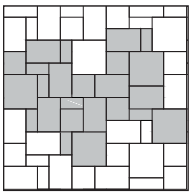
01 | Modular pattern

75% - 20″x20″ & 20″x10″
25% - 20″x30″



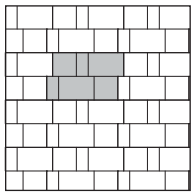
02 | Modular pattern

38% - 20″x30″ | **33%** - 30x30
29% - 20″x20″ & 20″x10″



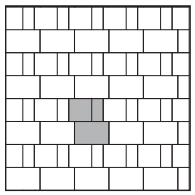
03 | Linear pattern

50% - 20″x30″
50% - 20″x20″ & 20″x10″



04 | Linear pattern

50% - 20″x30″
50% - 20″x20″ & 20″x10″



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Rock Garden Brown | Ivory | Riviera

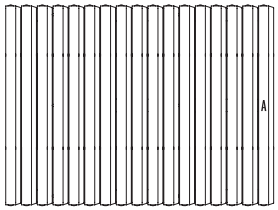




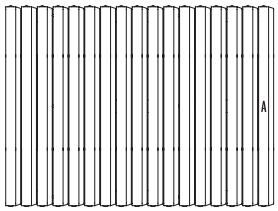
TRAVERTINA RAW

DESCRIPTION: Slab **TEXTURE:** Klean-Bloc Brushed Travertine

PALLET OVERVIEW - 20″×30″



PALLET OVERVIEW - 30″×30″





Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 31.

See page 31 to 33 for more technical information.

See page 25 for more information about applications.

Specifications per pallet		Imperial	Metric
20″×30″	Cubing	**70.83 ft²**	6.58 m²
	Approx. Weight	1 822 lbs	826 kg
	Number of rows	1	
	Coverage per units	4.17 ft²	0.39 m²
	Linear coverage per row Depth	28.3 lin. ft	8.64 lin. m
	Length	42.5 lin. ft	12.95 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	20	508	
Length	30	762	

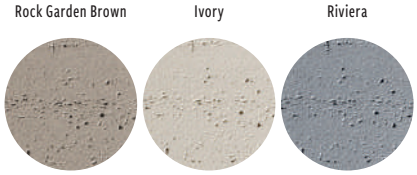
Specifications per pallet		Imperial	Metric
30″×30″	Cubing	**106.25 ft²**	9.87 m²
	Approx. Weight	2 667 lbs	1 210 kg
	Number of rows	1	
	Coverage per units	6.25 ft²	0.58 m²
	Linear coverage per row	42.5 lin. ft	12.95 lin. m



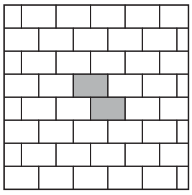
A



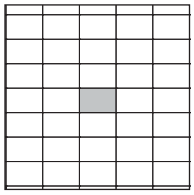
Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	30	762	
Length	30	762	



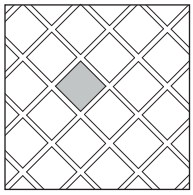
05 | Linear pattern
100% - 20″x30″



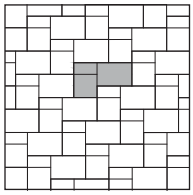
06 | Linear pattern
100% - 20″x30″



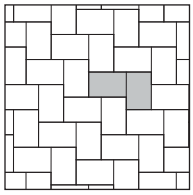
07 | Checkerboard pattern
100% - 30″x30″



08 | Herringbone pattern
50% - 20″x30″
50% - 20″x20″ & 20″x10″



09 | Herringbone pattern
100% - 20″x30″



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

PAVERS

DRIVEWAYS, PERMEABLE DRIVEWAYS & PATIOS



PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS	ASTM C936	CSA A231.2:19
Compressive strength	8000 psi [55 MPa] min.	50 MPa min.
Absorption	5 % max.	–
Freeze-thaw durability	Mass loss (max.): 225 g/m² at 28 cycles, or Mass loss (max.): 500 g/m² at 49 cycles	Mass loss (max.): 225 g/m2 after 28 cycles, or Mass loss (max): 500 g/m2 after 49 cycles
Dimensional tolerances (see Notes below):	Length and Width: ± 0.063 in. [1.6 mm] Thickness: ± 0.125 in. [3.2 mm]	Length and Width: -1.0 mm to +2.0 mm Thickness: ± 3.0 mm

Notes: The dimensional tolerances shown above are prior to the application of architectural finishes.

INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT

INSTALLATION OUTLINE

01 EXCAVATION

A. Before excavating, call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before you begin.

B. When excavating, it is important to achieve a slope in increments of 1.5% (3⁄16″ per ft/5 mm per 300 mm), which will allow for proper drainage. The excavation should mirror the final grade of pavement.

C. The width of the base behind the edge should be equivalent to the thickness of the base.

D. Using a rake, grade the bottom of the excavated area. If the natural soil is granular or sandy, we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile fabric to prevent the contamination of the base (clay and 0- ¾″ [0-20 mm] crushed stone). Refer to the table ″**Thickness of the Granular Foundation**″ (on next page) to find the minimum thickness of foundation required.

02 FOUNDATION

A. Install a 0-¾″ (0-20 mm) crushed stone base, in 4″ (100 mm) lifts with a minimum 5,000 lbf (22 kN) vibrating plate compactor.

B. To facilitate compacting, wet the base material thoroughly and compact with a vibrating plate proceeding in all directions Continue this process until you have achieved the desired height. At this stage, you can verify the final height with the help of a paver.

C. Base tolerance ±3⁄8″ (10 mm) for every 10′ (3-m) increment.

03 THE SETTING BED

A. On the compacted crushed base, install two pipes with an outside diameter of 1″ (25 mm). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base is not properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.

B. Bedding sand should not be compacted until all paving stones have been laid down. Passing the vibrating plate over the paving stones causes them to settle approximately 3⁄8″ (10 mm) into the bedding sand.

04 INSTALLATION OF PAVING STONES

A. Once the choice of paving stones and the design have been finalized, we recommended that you start installing the pavers at a 90-degree angle. To do so, proceed as follows: measure a first horizontal line of 3′ (1-m) and a second line of 4′ (1.2 m) perpendicular to the first. Connect a third straight line of 5′ (1.5 m) which will form a triangle. The result will be a perfect 90-degree angle. While installing the paving stones, walk on the installed pavers, and fill in gaps caused by the pipes with concrete sand.

B. It is always recommended that you use more than two cubes at a time in order to maximize the color blend. Furthermore, you should proceed with the cubes from top to bottom.

C. You may use a chalk line to mark the stones to be cut along the borders, using a guillotine or a concrete saw. When cutting paving stones, we recommend that you wear protective ear and eyewear.

D. Once you finish installing the paving stones, you can then install Avignon, Belgik or Pietra curbstone on the granular base. To keep curbs in place, add mortar along the back to form a 45-degree angle between the ground and the curbstone or, when available, using the plastic retention system. In a vehicular traffic application, the mortar must be reinforced using steel rods.

05 FILLING IN JOINTS

A. Spread out the polymer stabilizer sand on the paving stones and sweep in between joints in all directions.

B. Pass a vibrating plate in all directions to allow sand to penetrate between the joints.

C. Sweep once more and remove excess sand. Follow the instructions exactly as indicated on the polymer stabilizer sand packaging.

INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT

VIBRATING PLATE ALERT!

Avoid scuffs on paver surfaces.Pavers with embossed surfaces (high and low points) are more susceptible to scuff marks from plate compactors. Techo-Bloc recommends the use of urethane mats between the plate and the paver surface when compacting. Techo-Bloc will not be held responsible for compaction scuffs or burns on pavers.

THICKNESS OF THE GRANULAR FOUNDATION[1]		
RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL	
	Clayey or Silty[2]	Sandy or Gravelly
Driveways[3]	8″ to 14″ (200 to 350 mm) Minimum	6″ to 10″ (150 to 250 mm) Minimum
Patios and Walkways[4]	6″ to 8″ (150 to 200 mm) Minimum	4″ to 6″ (100 to 150 mm) Minimum

1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected by the freeze-thaw cycles, a thicker foundation may be necessary. For soils with these conditions or for commercial, industrial, or institutional works, a geotechnical professional should be consulted.
3. For the province of Quebec, the typical range is:
   - For clayey or silty soils: 12″ to 20″
   - For sandy or gravelly soils: 8″ to 14
4. For the province of Quebec, the typical range is:
   - For clayey or silty soils: 10″ to 14″
   - For sandy or gravelly soils: 6″ to 8″

QUANTITY CHART FOR JOINTS FILLING - FLEXLOCK POLYMERIC SAND Approximate surface coverage per bag of 50 lbs (22.7 kg).

PRODUCTS	sq. ft	sq. m
Antika	21	2
Blu 80 mm	76.5	7.11
Blu 80 mm (6″×13″)	31.97	2.97
Diamond	28.4	2.64
Eva	143.56	13.34
Hexa 100 mm	61.1	5.7
Industria 150 series - 150 × 150	31.6	2.94
Industria 200 series - 200 × 200	41.03	3.81
Industria 200 series - 200 × 400	54.57	5.07
Industria 300 series - 300 × 100	30.77	2.86
Industria 300 series - 300 × 200	41	3.81
Industria 300 series - 300 × 300	61.39	5.70
Industria 450 series - 450 × 100	33.5	3.11
Industria 450 series - 450 × 150	46.4	4.31
Industria 450 series - 450 × 300	73.5	6.83
Industria 600 series - 600 × 100	35.06	3.26
Industria 600 series - 600 × 200	61.32	5.70
Industria 600 series - 600 × 300	81.72	7.59
Industria 600 series - 600 × 600	122.48	11.38
Industria 900 series - 900 × 300	103.5	9.6
Industria 900 series - 900 × 600	166.5	15.5
Industria 900 series - 900 × 900	208.4	19.4
Industria Triangle	36.0	3.3
Industria Tactile	61.39	5.70
Linea small rectangles	31.47	2.92
Linea large rectangles	42.33	3.93
Mika	16.41	1.53
Mista random	50.4	4.69
Sleek	97.12	9.03
Squadra	14.50	1.35
Travertina Raw	16.41	1.53
Valet	24.1	2.2
Victorien 60 mm	97.06	9.02
Villagio	18.50	1.72
Westmount	25.3	2.4

Topsoil quantity in lb (kg) to cover an area of 1 sq.ft (1 sq.m) to fill in between joints and the paver cavity.

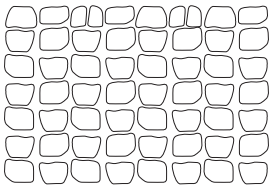
PRODUCTS	lbs/sq. ft	kg/sq. m
Aquastorm (see Permeable Pavers section)	12.60	61.40

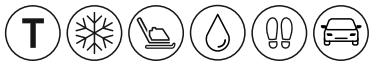


ANTIKA

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW*





The Antika paver is perfect as a filler in a circle, around a fan design or on a winding pathway. Antika can also be used as a mosaic frame around any design.

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

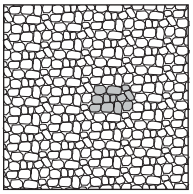
JOINT WIDTH: VARIABLE
% OF SURFACE OPENING: VARIABLE
INFILTRATOIN RATE: 993 in./hr
(25 227 mm/hr)

*Pallet layout may vary.

Specifications per pallet	Imperial	Metric
Cubing	**87 ft²**	8.10 m²
Approx. Weight	2 183 lbs	990 kg
Number of rows	9	
Coverage per row	9.67 ft²	0.90 m²

	Unit dimensions	in	mm
A	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
B	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
C	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
D	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
E	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
F	Height	2 ⅜	60
	Width	Variable	
	Length	Variable	
G	Height	2 ⅜	60
	Depth	Variable	
	Length	Variable	

01 | Random pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown | Chestnut Brown | Sandlewood | Shale Grey | Onyx Black

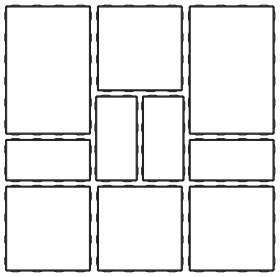




BLU 80 mm

DESCRIPTION: Paver **TEXTURE:** Slate and HD² Slate

PALLET OVERVIEW





Specifications per pallet	Imperial	Metric
Cubing	**84.96 ft²**	7.90 m²
Approx. Weight	3 246 lbs	1 472 kg
Number of rows	8	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.75 lin. ft	2.97 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	3 ⅛	80	32 units
	Width	13	330	
	Length	6 ½	165	
B	Height	3 ⅛	80	32 units
	Width	13	330	
	Length	13	330	
C	Height	3 ⅛	80	16 units
	Width	13	330	
	Length	19 ½	495	







NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

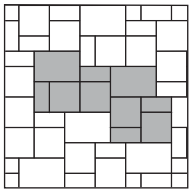
*Sandlewood HD² Slate is only available in Eastern States. See page 16 for list of Eastern and Midwestern States.

**HD² Slate is only available in USA.

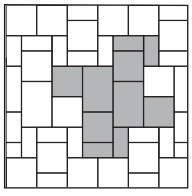
JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

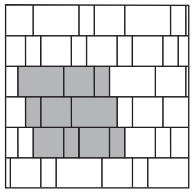
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Slate**
Slate



Sandlewood*
HD² Slate**
Slate



Champlain Grey
HD² Slate**
Slate



Shale Grey
HD² Slate**
Slate

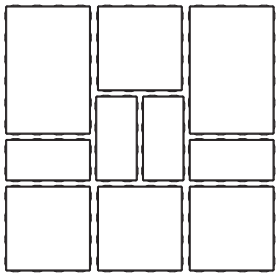




BLU 80 mm

DESCRIPTION: Paver **TEXTURE:** Smooth and HD² Smooth

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**84.96 ft²**	7.90 m²
Approx. Weight Smooth	3 095 lbs	1 404 kg
Approx. Weight Smooth HD²	3 280 lbs	1 488 kg
Number of rows	8	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.75 lin. ft	2.97 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	3 ⅛	80	32 units
	Width	13	330	
	Length	6 ½	165	
B	Height	3 ⅛	80	32 units
	Width	13	330	
	Length	13	330	
C	Height	3 ⅛	80	16 units
	Width	13	330	
	Length	19 ½	495	



NOTES

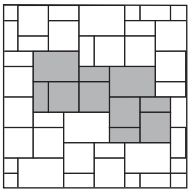
See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

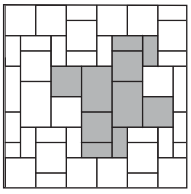
JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

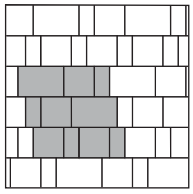
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Smooth
Smooth



Champlain Grey
HD² Smooth
Smooth



Beige Cream
Smooth



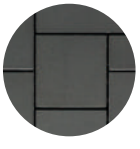
Greyed Nickel
HD² Smooth
Smooth



Shale Grey
HD² Smooth
Smooth



Onyx Black
HD² Smooth
Smooth

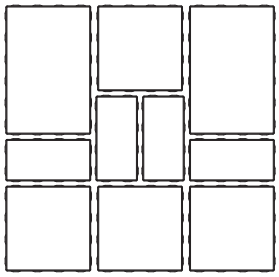




BLU 80 mm

DESCRIPTION: Paver **TEXTURE:** Polished

PALLET OVERVIEW





NOTES

Polished products are available on order only.

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.5%**
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

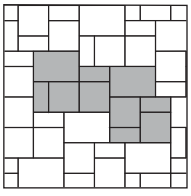
Polished is made-to-order, minimum order of 500 sq. ft. Deposit required.

Specifications per pallet		Imperial	Metric
POLISHED	Cubing	**84.96 ft²**	7.90 m²
	Approx. Weight	3 042 lbs	1 380 kg
	Number of rows	8	
	Coverage per row	10.62 ft²	0.99 m²
	Linear coverage per row	9.75 lin. ft	2.97 lin. m

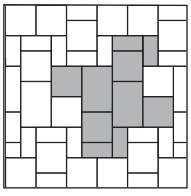
	Unit dimensions	in	mm	Units/pallet
A	Height	3 1/16	78	32 units
	Width	13	330	
	Length	6 ½	165	
B	Height	3 1/16	78	32 units
	Width	13	330	
	Length	13	330	
C	Height	3 1/16	78	16 units
	Width	13	330	
	Length	19 ½	495	

**For permeable application, the installation should be combined with Blu 6x13 in a modular pattern. A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu.

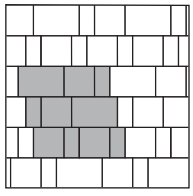
01 | Modular pattern



02 | Modular pattern

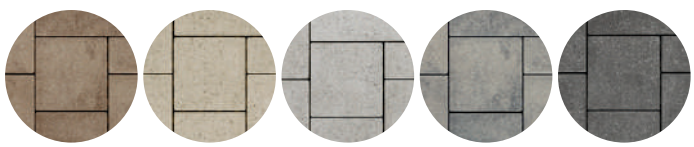


03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

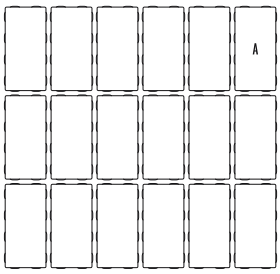




BLU 80 mm (6″×13″)

DESCRIPTION: Paver **TEXTURE:** Slate, HD² Slate

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**84.40 ft²**	7.84 m²
Approx. Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft²	0.98 m²
Linear coverage per row	Depth	19.49 lin. ft	5.94 lin. m
	Length	9.74 lin. ft	2.97 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 ⅛	80	144 units
Width	13	330	
Length	6 ½	165	

NOTES

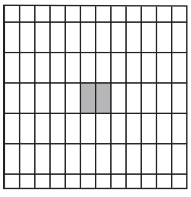
See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

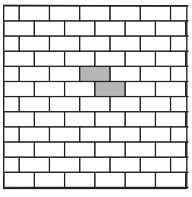
*HD² Slate is only available in USA.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.8%
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

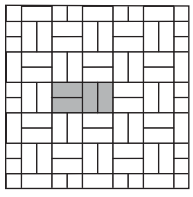
08 | Linear pattern



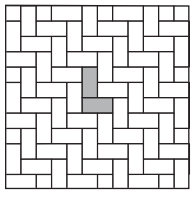
09 | Linear pattern



10 | Parquet pattern



11 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown
Slate



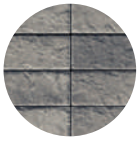
Chestnut Brown
HD² Slate*
Slate



Champlain Grey
HD² Slate*
Slate



Shale Grey
HD² Slate*
Slate



Onyx Black
HD² Slate*
Slate

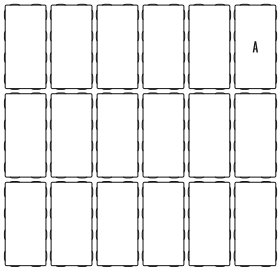




BLU 80 mm (6″×13″)

DESCRIPTION: Paver **TEXTURE:** Smooth, HD² Smooth

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**84.40 ft²**	7.84 m²
Approx. Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft²	0.98 m²
Linear coverage per row	Depth	19.49 lin. ft	5.94 lin. m
	Length	9.74 lin. ft	2.97 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 ⅛	80	144 units
Width	13	330	
Length	6 ½	165	

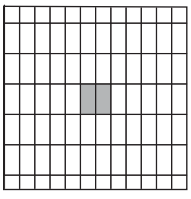
NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

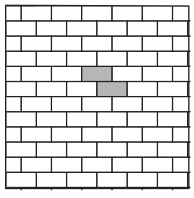
See page 25 for more information about applications.

JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 4.8%
INFILTRATOIN RATE: 570 in./hr (14 475 mm/hr)

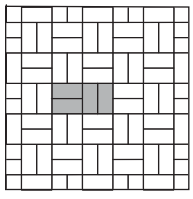
08 | Linear pattern



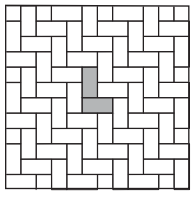
09 | Linear pattern



10 | Parquet pattern

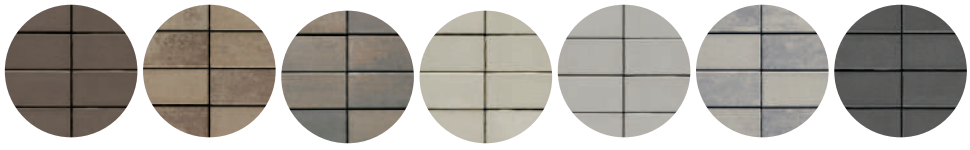


11 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chocolate Brown	Chestnut Brown	Champlain Grey	Beige Cream	Greyed Nickel	Shale Grey	Onyx Black
Smooth	HD² Smooth Smooth	HD² Smooth Smooth	Smooth	HD² Smooth Smooth	HD² Smooth Smooth	HD² Smooth Smooth

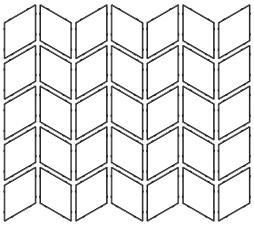




DIAMOND

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**74.47 ft²**	6.92 m²
Approx. Weight	3 469 lbs	1 573 kg
Number of rows	7	
Coverage per row	10.64 ft²	0.99 m²
Linear coverage per row	20.74 lin. ft	6.32 lin. m
	17.79 lin. ft	5.42 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	245 units
Width	7 1/8	181	
Diagonal	12 5/16	313	
Length	6 3/16	156	

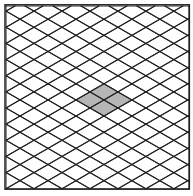
NOTES

See page 58 to 60 for more technical information.

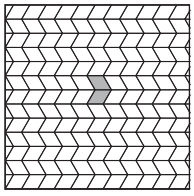
See page 25 for more information about applications.

HD² Granitex is made-to-order, minimum order of 500 sq. ft. Deposit required.

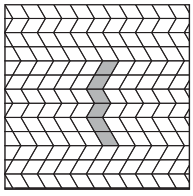
01 | Diamond pattern



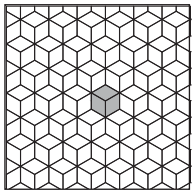
02 | Chevron pattern



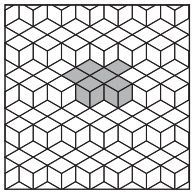
03 | Chevron pattern



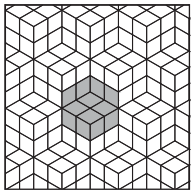
04 | Cubic pattern



05 | Cubic diamond pattern



07 | Geometric pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

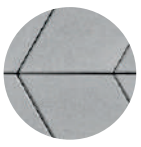
Chestnut Brown
HD² Smooth



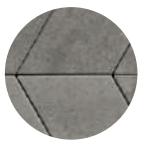
Beige Cream
HD² Smooth



Greyed Nickel
HD² Smooth



Shale Grey
HD² Smooth



Onyx Black
HD² Smooth



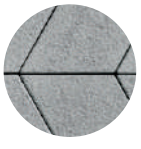
Chestnut Brown
HD² Granitex



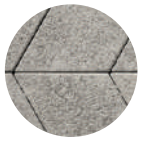
Beige Cream
HD² Granitex



Greyed Nickel
HD² Granitex

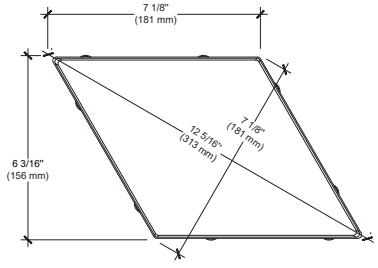


Shale Grey
HD² Granitex



Onyx Black
HD² Granitex



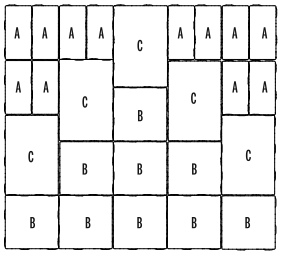




EVA

DESCRIPTION: Paver **TEXTURE:** Slate

PALLET OVERVIEW





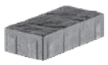
NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

Specifications per pallet	Imperial	Metric
Cubing	**132.48 ft²**	12.31 m²
Approx. Weight	3 643 lbs	1 653 kg
Number of rows	11	
Coverage per row	12.04 ft²	1.12 m²
Linear coverage per row	16.46 lin. ft	5.02 lin. m

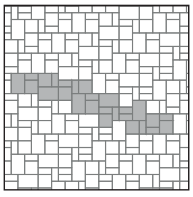


A	Unit dimensions	in	mm	Units/pallet
	Height	2 3/8	60	132 units
	Width	8 3/4	223	
	Length	4 3/8	112	

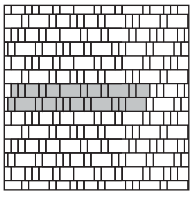
B				
	Height	2 3/8	60	99 units
	Width	8 3/4	223	
	Length	8 3/4	223	

C				
	Height	2 3/8	60	55 units
	Width	8 3/4	223	
	Length	13 3/16	335	

01 | Modular pattern



02 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

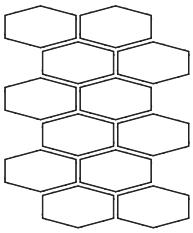




HEXA 100 mm

DESCRIPTION: Paver **TEXTURE*:** HD² Smooth / HD²+ Smooth (while quantities last)

PALLET OVERVIEW





NOTES

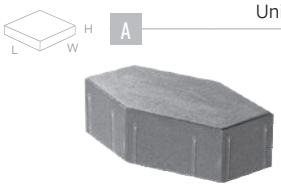
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

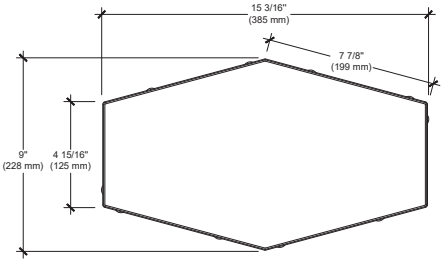
All colors are made-to-order, minimum order of 1,000 sq. ft. Deposit required.

*HD²+ and HD² product should not be mixed on a job.

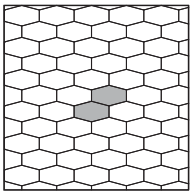
Specifications per pallet	Imperial	Metric
Cubing	61.44 ft²	5.71 m²
Approx. Weight	2 980 lbs	1 352 kg
Number of rows	7	
Coverage per row	8.78 ft²	0.82 m²
Linear coverage per row	-	-
	-	-



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	84 units
Width	9	228	
Length	15 3/16	385	

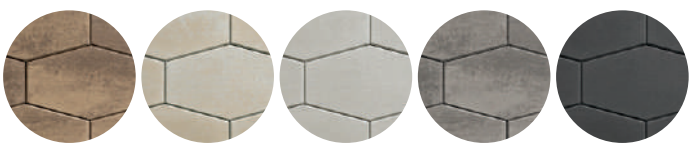


01 | Hexagon pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

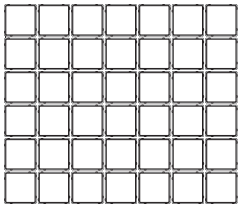




INDUSTRIA 150 SERIES

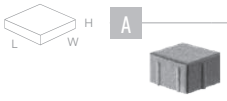
DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

PALLET OVERVIEW - 150×150





Specifications per pallet		Imperial	Metric
150x150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 357 lbs	1 523 kg
	Number of rows	7	
	Coverage per row	10.17 ft²	0.95 m²
	Linear coverage per row	20.67 lin. ft	6.30 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	294 units
Width	5 7/8	150	
Length	5 7/8	150	

NOTES

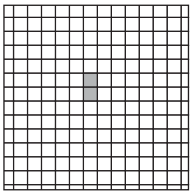
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 150 Series items are on order only.
Minimum order required: 2,000 sq. ft.
Deposit required

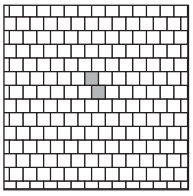
01 | Linear pattern

100% - 150x150



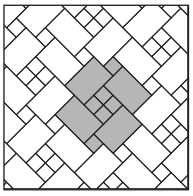
02 | Linear pattern

100% - 150x150



24 | Modular pattern

80% - 450x300 | **20%** - 150x150



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

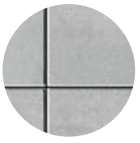
Chestnut Brown HD² Smooth



Beige Cream HD² Smooth



Greyed Nickel HD² Smooth



Shale Grey HD² Smooth



Onyx Black HD² Smooth



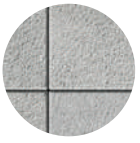
Chestnut Brown HD² Granitex



Beige Cream HD² Granitex



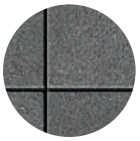
Greyed Nickel HD² Granitex



Shale Grey HD² Granitex



Onyx Black HD² Granitex

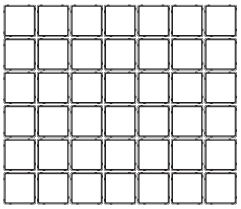




INDUSTRIA 150 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

PALLET OVERVIEW - 150×150





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 150 Series items are on order only.
Minimum order required: 2,000 sq. ft.
Deposit required

Specifications per pallet		Imperial	Metric
150x150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 357 lbs	1 523 kg
	Number of rows	7	
	Coverage per row	10.17 ft²	0.95 m²
	Linear coverage per row	20.67 lin. ft	6.30 lin. m

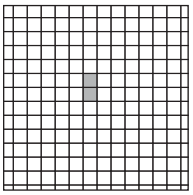




Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	294 units
Width	5 7/8	150	
Length	5 7/8	150	

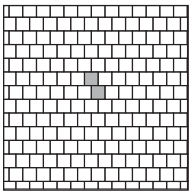
01 | Linear pattern

100% - 150x150



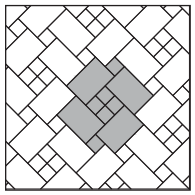
02 | Linear pattern

100% - 150x150



24 | Modular pattern

80% - 450x300 | **20%** - 150x150



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Polished



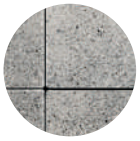
Beige Cream
HD² Polished



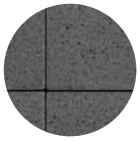
Greyed Nickel
HD² Polished

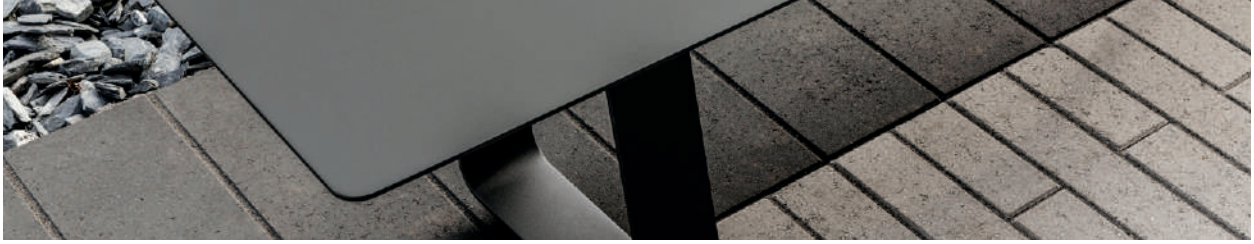


Shale Grey
HD² Polished



Onyx Black
HD² Polished

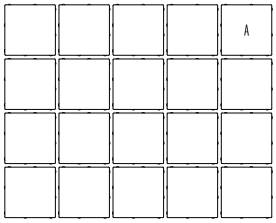




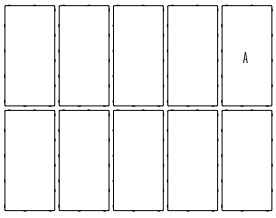
INDUSTRIA 200 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

PALLET OVERVIEW - 200×200



PALLET OVERVIEW - 200×400





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 200 Series items are on order only.
Minimum order required: 2,000 sq. ft.
Deposit required

Specifications per pallet		Imperial	Metric
200×200	Cubing	**60.28 ft²**	5.60 m²
	Approx. Weight	2 863 lbs	1 299 kg
	Number of rows	7	
	Coverage per row	8.61 ft²	0.80 m²
	Linear coverage per row	13.12 lin. ft	4 lin. m





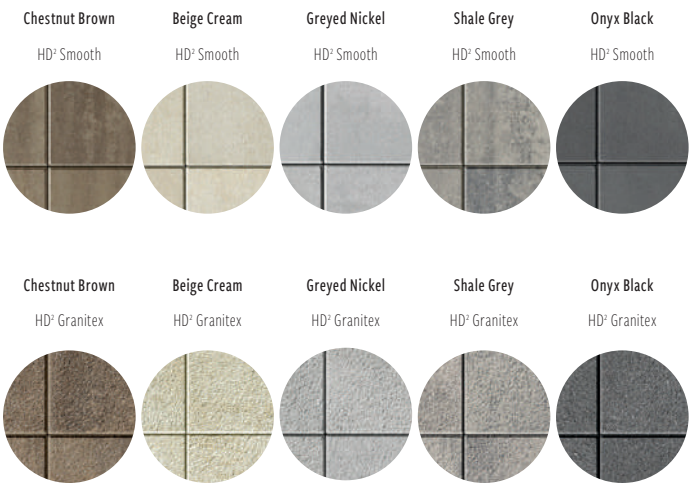
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	140 units
Width	7 7/8	200	
Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
200×400	Cubing	**60.28 ft²**	5.60 m²
	Approx. Weight	2 862 lbs	1 298 kg
	Number of rows	7	
	Coverage per row	8.61 ft²	0.80 m²
	Linear coverage per row Depth	6.56 lin. ft	2 lin. m
	Length	13.12 lin. ft	4 lin. m



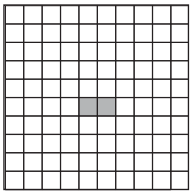


Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	70 units
Width	7 7/8	200	
Length	15 3/4	400	



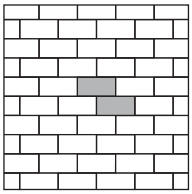
03 | Linear pattern

100% - 200x200

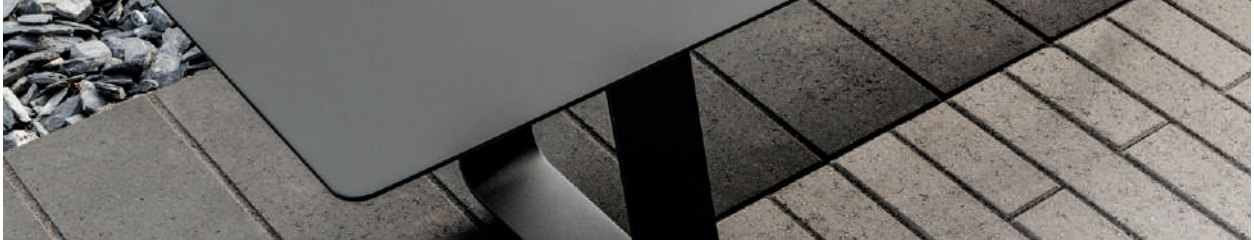


04 | Linear pattern

100% - 200x400



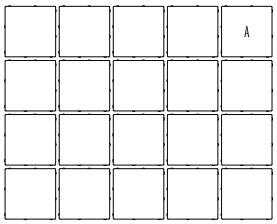
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



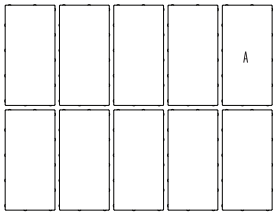
INDUSTRIA 200 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

PALLET OVERVIEW - 200×200



PALLET OVERVIEW - 200×400





200×200

NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 200 Series items are on order only.
Minimum order required: 2,000 sq. ft.
Deposit required

Specifications per pallet		Imperial	Metric
200×200	Cubing	**60.28 ft²**	5.60 m²
	Approx. Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft²	0.80 m²
	Linear coverage per row	13.12 lin. ft	4 lin. m





Unit dimensions	in	mm	Units/pallet
Height	3 ⅞	98	140 units
Width	7 ⅞	200	
Length	7 ⅞	200	

Specifications per pallet		Imperial	Metric
200×400	Cubing	**60.28 ft²**	5.60 m²
	Approx. Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft²	0.80 m²
	Linear coverage per row Depth	6.56 lin. ft	2 lin. m
	Length	13.12 lin. ft	4 lin. m

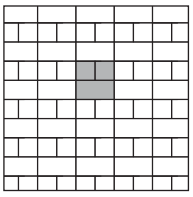




Unit dimensions	in	mm	Units/pallet
Height	3 ⅞	98	70 units
Width	7 ⅞	200	
Length	15 ¾	400	

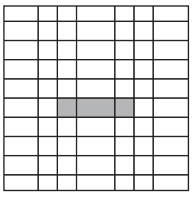
05 | Linear pattern

50% - 200x200 | **50%** - 200x400



06 | Linear pattern

60% - 200x200 | **40%** - 200x400



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Polished



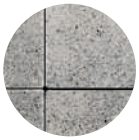
Beige Cream
HD² Polished



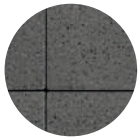
Greyed Nickel
HD² Polished



Shale Grey
HD² Polished



Onyx Black
HD² Polished

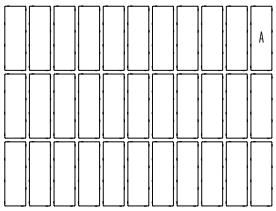




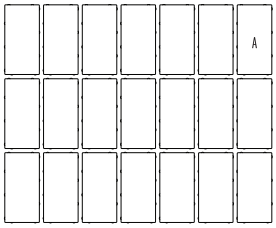
INDUSTRIA 300 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

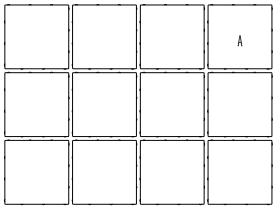
PALLET OVERVIEW - 300×100



PALLET OVERVIEW - 300×150



PALLET OVERVIEW - 300×300





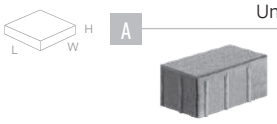
NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

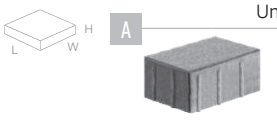
HD² Polished and HD² Granitex is made-to-order, minimum order of 500 sq. ft. Deposit required. HD² Smooth is in stock with shorter lead times.

Specifications per pallet		Imperial	Metric
300×100	Cubing	**74.59 ft²**	6.93 m²
	Approx. Weight	3 412 lbs	1 548 kg
	Number of rows	7	
	Coverage per row	10.66 ft²	0.99 m²
	Linear coverage per row Depth	32.48 lin. ft	9.90 lin. m
	Length	10.83 lin. ft	3.30 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	231 units
Width	11 13/16	300	
Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
300×150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 288 lbs	1 491 kg
	Number of rows	7	
	Coverage per row	10.17 ft²/row	0.95 m²
	Linear coverage per row Depth	20.67 lin. ft	6.30 lin. m
	Length	10.33 lin. ft	3.15 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	147 units
Width	11 13/16	300	
Length	5 7/8	150	

Specifications per pallet		Imperial	Metric
300×300	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 725 lbs	1 690 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	84 units
Width	11 13/16	300	
Length	11 13/16	300	

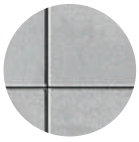
Chestnut Brown
HD² Smooth
HD² Granitex



Beige Cream
HD² Smooth
HD² Granitex



Greyed Nickel
HD² Smooth
HD² Granitex



Shale Grey
HD² Smooth
HD² Granitex

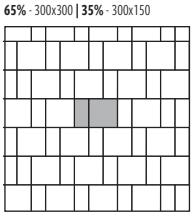


Onyx Black
HD² Smooth
HD² Granitex



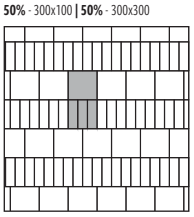
07 | Linear pattern

65% - 300x300 | **35%** - 300x150



08 | Linear pattern

50% - 300x100 | **50%** - 300x300



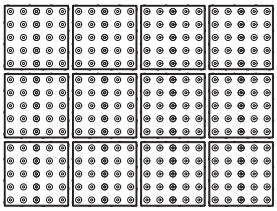
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



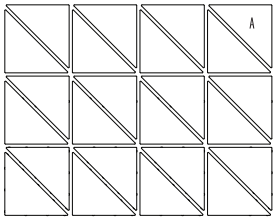
INDUSTRIA 300 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth* or HD² Granitex

PALLET OVERVIEW - TACTILE



PALLET OVERVIEW - TRIANGLE





300×300

NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

HD² Granitex is made-to-order, minimum order of 500 sq. ft.
Deposit required. HD² Smooth is in stock with shorter lead times.

*Industria Tactile is only available in HD² Smooth.

Specifications per pallet		Imperial	Metric
TACTILE	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 725 lbs	1 690 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



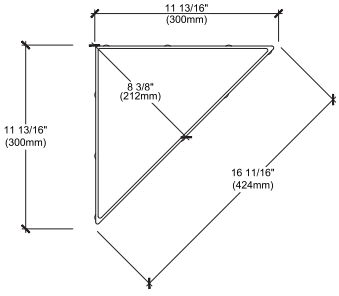


Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	84 units
Width	11 13/16	300	
Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
TRIANGLE	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 743 lbs	1 698 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m

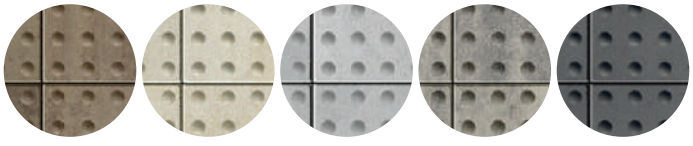


Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	168 units
Width	11 13/16	300	
Length	11 13/16	300	

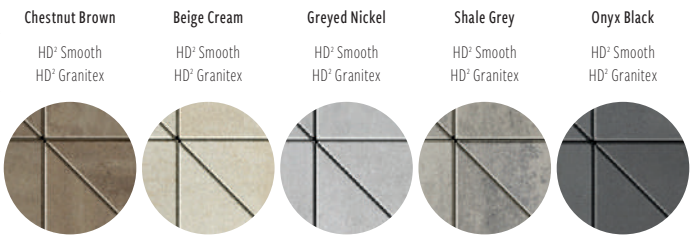




TACTILE

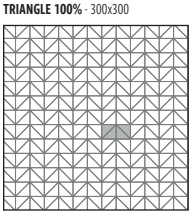


TRIANGLE



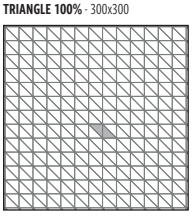
01 | Linear pattern

TRIANGLE 100% - 300x300



03 | Linear pattern

TRIANGLE 100% - 300x300



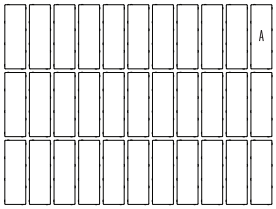
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



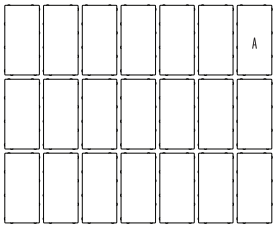
INDUSTRIA 300 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

PALLET OVERVIEW - 300×100



PALLET OVERVIEW - 300×150





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

300 Series HD² Polished and HD² Granitex are made-to-order, minimum order of 500 sq. ft. Deposit required. HD² Smooth is in stock with shorter lead times.

Specifications per pallet		Imperial	Metric
300×100	Cubing	**74.59 ft²**	6.93 m²
	Approx. Weight	3 412 lbs	1 548 kg
	Number of rows	7	
	Coverage per row	10.66 ft²	0.99 m²
	Linear coverage per row Depth	32.48 lin. ft	9.90 lin. m
	Length	10.83 lin. ft	3.30 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	231 units
Width	11 13/16	300	
Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
300×150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 288 lbs	1 491 kg
	Number of rows	7	
	Coverage per row	10.17 ft²	0.95 m²
	Linear coverage per row Depth	20.67 lin. ft	6.30 lin. m
	Length	10.33 lin. ft	3.15 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	147 units
Width	11 13/16	300	
Length	5 7/8	150	

Chestnut Brown
HD² Polished



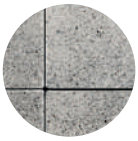
Beige Cream
HD² Polished



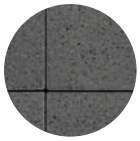
Greyed Nickel
HD² Polished



Shale Grey
HD² Polished

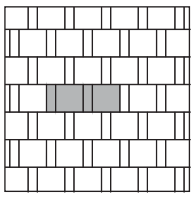


Onyx Black
HD² Polished



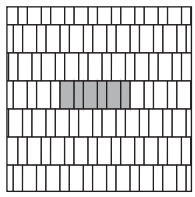
09 | Linear pattern

75% - 300x300 | **25%** - 300x100



10 | Linear pattern

60% - 300x150 | **40%** - 300x100



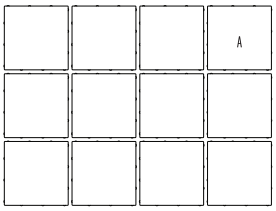
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



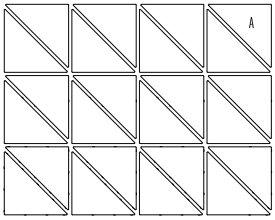
INDUSTRIA 300 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

PALLET OVERVIEW - 300×300



PALLET OVERVIEW - TRIANGLE





300×300

Specifications per pallet		Imperial	Metric
300×300	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 725 lbs	1 690 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



A



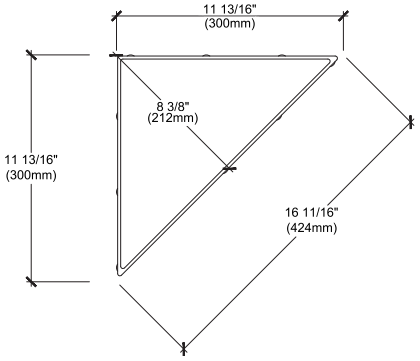
Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	84 units
Width	11 13/16	300	
Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
TRIANGLE	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 743 lbs	1 698 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	168 units
Width	11 13/16	300	
Length	11 13/16	300	



NOTES

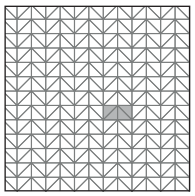
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

300 Series HD² Polished and HD² Granitex are made-to-order, minimum order of 500 sq. ft. Deposit required. HD² Smooth is in stock with shorter lead times.

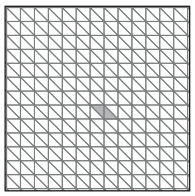
01 | Linear pattern

100% - 300x300



03 | Linear pattern

100% - 300x300

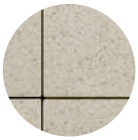


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Polished



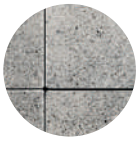
Beige Cream
HD² Polished



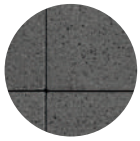
Greyed Nickel
HD² Polished



Shale Grey
HD² Polished



Onyx Black
HD² Polished

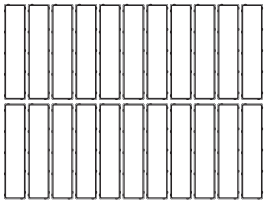




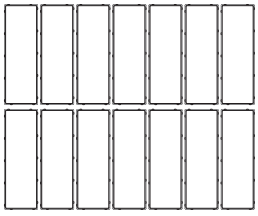
INDUSTRIA 450 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

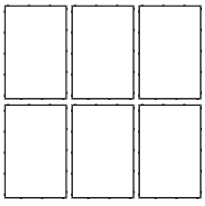
PALLET OVERVIEW - 450X100



PALLET OVERVIEW - 450X150



PALLET OVERVIEW - 450X300





NOTES

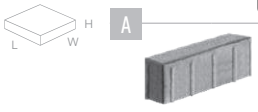
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 450 Series items are on order only. Minimum order required: 2,000 sq. ft. Deposit required

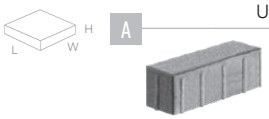
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
450x100	Cubing	**74.59 ft²**	6.93 m²
	Approx. Weight	3 516 lbs	1 595 kg
	Number of rows	7	
	Coverage per row	10.66 ft²	0.99 m²
	Linear coverage per row Depth	32.48 lin. ft	9.90 lin. m
	Length	7.22 lin. ft	2.20 lin. m



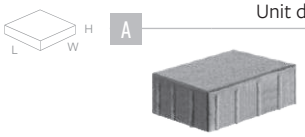
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	154 units
Width	3 15/16	100	
Length	17 11/16	450	

Specifications per pallet		Imperial	Metric
450x150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 357 lbs	1 523 kg
	Number of rows	7	
	Coverage per row	10.17 ft²	0.95 m²
	Linear coverage per row Depth	20.67 lin. ft	6.30 lin. m
	Length	6.89 lin. ft	2.10 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	98 units
Width	5 7/8	150	
Length	17 11/16	450	

Specifications per pallet		Imperial	Metric
450x300	Cubing	**61.03 ft²**	5.67 m²
	Approx. Weight	2 883 lbs	1 308 kg
	Number of rows	7	
	Coverage per row	8.72 ft²	0.81 m²
	Linear coverage per row Depth	8.86 lin. ft	2.70 lin. m
	Length	5.91 lin. ft	1.80 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	42 units
Width	11 13/16	300	
Length	17 11/16	450	

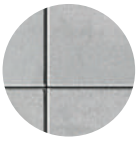
Chestnut Brown
HD² Smooth
HD² Granitex



Beige Cream
HD² Smooth
HD² Granitex



Greyed Nickel
HD² Smooth
HD² Granitex



Shale Grey
HD² Smooth
HD² Granitex

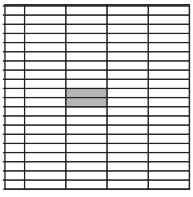


Onyx Black
HD² Smooth
HD² Granitex



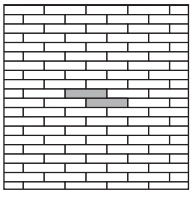
11 | Linear pattern

100% - 450x100



12 | Linear pattern

100% - 450x100



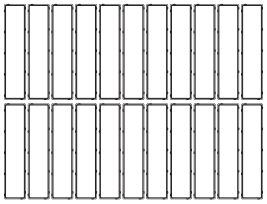
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



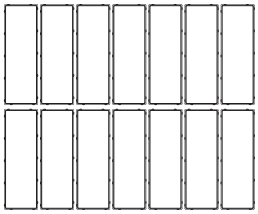
INDUSTRIA 450 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

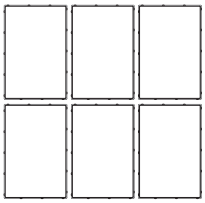
PALLET OVERVIEW - 450X100



PALLET OVERVIEW - 450X150



PALLET OVERVIEW - 450X300





NOTES

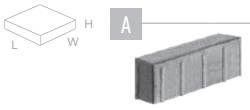
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

All 450 Series items are on order only.
Minimum order required: 2,000 sq. ft.
Deposit required

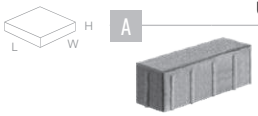
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
450x100	Cubing	**74.59 ft²**	6.93 m²
	Approx. Weight	3 516 lbs	1 595 kg
	Number of rows	7	
	Coverage per row	10.66 ft²	0.99 m²
	Linear coverage per row Depth	32.48 lin. ft	9.90 lin. m
	Length	7.22 lin. ft	2.20 lin. m



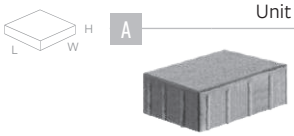
Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	154 units
Width	3 15/16	100	
Length	17 11/16	450	

Specifications per pallet		Imperial	Metric
450x150	Cubing	**71.20 ft²**	6.62 m²
	Approx. Weight	3 357 lbs	1 523 kg
	Number of rows	7	
	Coverage per row	10.17 ft²	0.95 m²
	Linear coverage per row Depth	20.67 lin. ft	6.30 lin. m
	Length	6.89 lin. ft	2.10 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	98 units
Width	5 7/8	150	
Length	17 11/16	450	

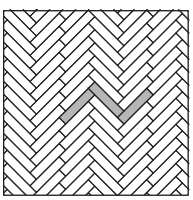
Specifications per pallet		Imperial	Metric
450x300	Cubing	**61.03 ft²**	5.67 m²
	Approx. Weight	2 883 lbs	1 308 kg
	Number of rows	7	
	Coverage per row	8.72 ft²	0.81 m²
	Linear coverage per row Depth	8.86 lin. ft	2.70 lin. m
	Length	5.91 lin. ft	1.80 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	42 units
Width	11 13/16	300	
Length	17 11/16	450	

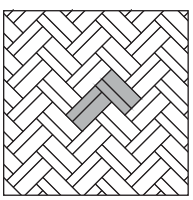
13 | Herringbone pattern

100% - 450x100



14 | Herringbone pattern

60% - 450x150 | **40%** - 450x100



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Polished



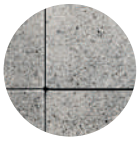
Beige Cream
HD² Polished



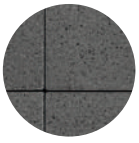
Greyed Nickel
HD² Polished



Shale Grey
HD² Polished



Onyx Black
HD² Polished

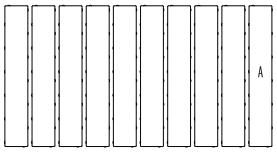




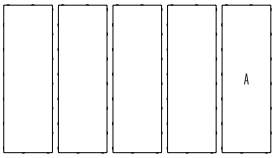
INDUSTRIA 600 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

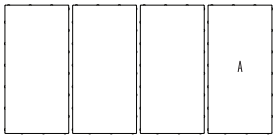
PALLET OVERVIEW - 600×100



PALLET OVERVIEW - 600×200



PALLET OVERVIEW - 600×300





NOTES

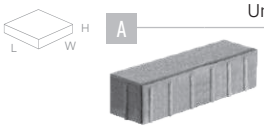
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

Industria 600x100, 600x200 and 600x300 are made to order (2,000 sq.ft. min. required). Deposit required.

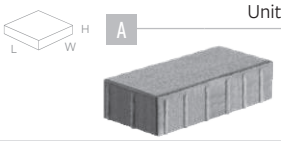
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
600×100 Cubing		**45.21 ft²**	4.20 m²
Approx. Weight		2 112 lbs	958 kg
Number of rows		7	
Coverage per row		6.46 ft²	0.60 m²
Linear coverage per row	Depth	19.69 lin. ft	6 lin. m
	Length	3.28 lin. ft	1 lin. m



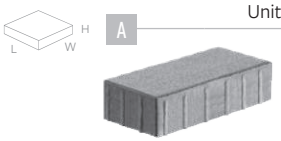
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	70 units
Width	23 5/8	600	
Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
600×200 Cubing		**45.21 ft²**	4.20 m²
Approx. Weight		2 146 lbs	973 kg
Number of rows		7	
Coverage per row		6.46 ft²	0.60 m²
Linear coverage per row	Depth	9.84 lin. ft	3 lin. m
	Length	3.28 lin. ft	1 lin. m

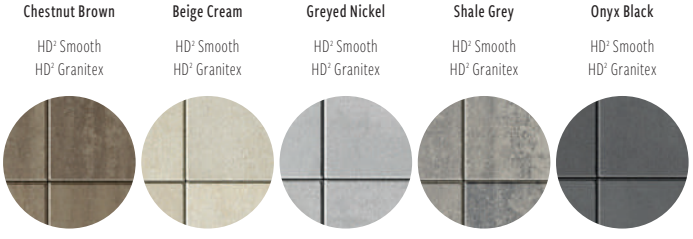


Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	35 units
Width	23 5/8	600	
Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
600×300 Cubing		**54.25 ft²**	5.04 m²
Approx. Weight		2 567 lbs	1 164 kg
Number of rows		7	
Coverage per row		7.75 ft²	0.72 m²
Linear coverage per row	Depth	7.87 lin. ft	2.40 lin. m
	Length	3.94 lin. ft	1.20 lin. m

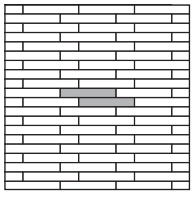


Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	28 units
Width	23 5/8	600	
Length	11 13/16	300	



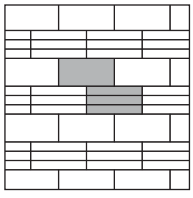
25 | Linear pattern

100% - 600x100



26 | Linear pattern

50% - 600x100 | **50%** - 600x300



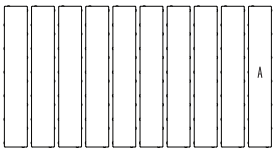
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



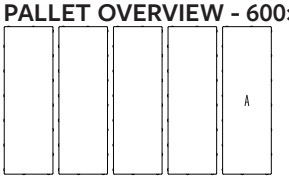
INDUSTRIA 600 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

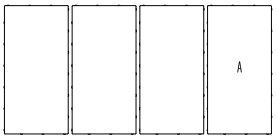
PALLET OVERVIEW - 600×100



PALLET OVERVIEW - 600×200



PALLET OVERVIEW - 600×300





*

NOTES

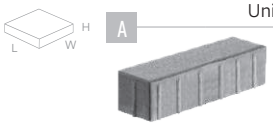
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

Industria 600x100, 600x200 and 600x300 are made to order (2,000 sq.ft. min. required). Deposit required.

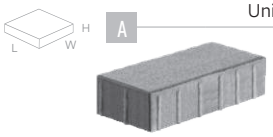
*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
600×100 Cubing		**45.21 ft²**	4.20 m²
Approx. Weight		2 112 lbs	958 kg
Number of rows		7	
Coverage per row		6.46 ft²	0.60 m²
Linear coverage per row	Depth	19.69 lin. ft	6 lin. m
	Length	3.28 lin. ft	1 lin. m



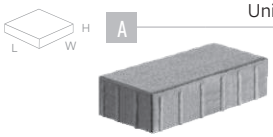
Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	70 units
Width	23 5/8	600	
Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
600×200 Cubing		**45.21 ft²**	4.20 m²
Approx. Weight		2 145 lbs	973 kg
Number of rows		7	
Coverage per row		6.46 ft²	0.60 m²
Linear coverage per row	Depth	9.84 lin. ft	3 lin. m
	Length	3.28 lin. ft	1 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	35 units
Width	23 5/8	600	
Length	7 7/8	200	

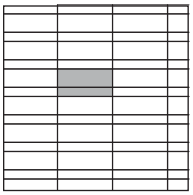
Specifications per pallet		Imperial	Metric
600×300 Cubing		**54.25 ft²**	5.04 m²
Approx. Weight		2 567 lbs	1 164 kg
Number of rows		7	
Coverage per row		7.75 ft²	0.72 m²
Linear coverage per row	Depth	7.87 lin. ft	2.40 lin. m
	Length	3.94 lin. ft	1.20 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	28 units
Width	23 5/8	600	
Length	11 13/16	300	

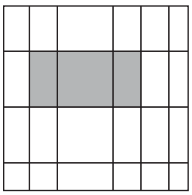
27 | Linear pattern

65% - 600x200 | **35%** - 600x100



28 | Linear pattern

50% - 600x300 | **50%** - 600x600

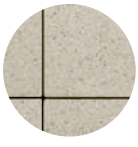


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown — HD² Polished



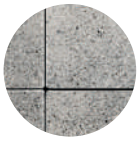
Beige Cream — HD² Polished



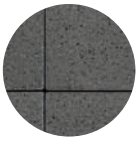
Greyed Nickel — HD² Polished



Shale Grey — HD² Polished



Onyx Black — HD² Polished

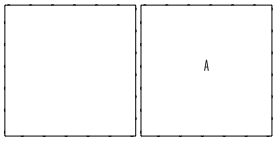




INDUSTRIA 600 SERIES

DESCRIPTION: Paver and Slab **TEXTURE:** HD² Smooth or HD² Granitex

PALLET OVERVIEW - 100×600×600 PAVER







PALLET OVERVIEW - 60×600×600 SLAB





NOTES

100×600×600 PAVER:

See page 58 to 60 for more technical information.

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

60×600×600 SLAB:

See page 31 to 33 for more technical information.

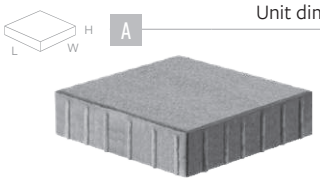
See page 25 for more information about applications.

Industria 100x600x600 is made to order (2,000 sq.ft. min. required). Deposit required.

Industria 60x600x600 HD² Granitex and HD² Polished are made to order (500 sq.ft. min. required). Deposit required.

Industria 60x600x600 HD² Smooth is in stock with shorter lead times.

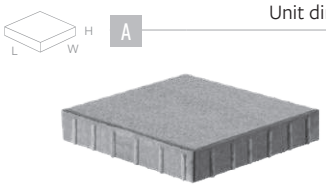
Specifications per pallet		Imperial	Metric
PAVER 100×600×600	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	2 556 lbs	1 159 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	14 units
Width	23 5/8	600	
Length	23 5/8	600	

Specifications per pallet*		Imperial	Metric
SLAB 60×600×600	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	1 567 lbs	711 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m

Specifications per pallet**		Imperial	Metric
SLAB 60×600×600	Cubing	**85.25 ft²**	7.92 m²
	Approx. Weight	2 432 lbs	1 103 kg
	Number of rows	11	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	14 units*
Width	23 5/8	600	22 units**
Length	23 5/8	600	

*Available while quantities last

**New packaging - Available Summer 2023

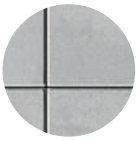
Chestnut Brown — HD² Smooth, HD² Granitex



Beige Cream — HD² Smooth, HD² Granitex



Greyed Nickel — HD² Smooth, HD² Granitex



Shale Grey — HD² Smooth, HD² Granitex

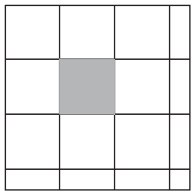


Onyx Black — HD² Smooth, HD² Granitex



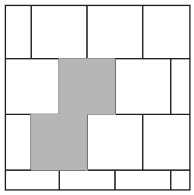
29 | Linear pattern

100% - 600x600



30 | Linear pattern

100% - 600x600



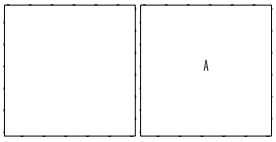
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



INDUSTRIA 600 SERIES

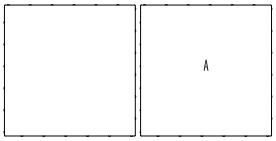
DESCRIPTION: Paver and Slab **TEXTURE:** HD² Polished

PALLET OVERVIEW - 100×600×600 PAVER





PALLET OVERVIEW - 60×600×600 SLAB





NOTES

100×600×600 PAVER:

See page 58 to 60 for more technical information.

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

60×600×600 SLAB:

See page 31 to 33 for more technical information.

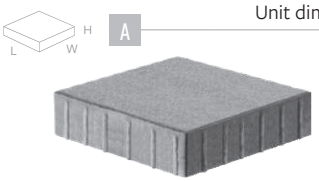
See page 25 for more information about applications.

Industria 100x600x600 is made to order (2,000 sq.ft. min. required). Deposit required.

Industria 60x600x600 HD² Granitex and HD² Polished are made to order (500 sq.ft. min. required). Deposit required.

Industria 60x600x600 HD² Smooth is in stock with shorter lead times.

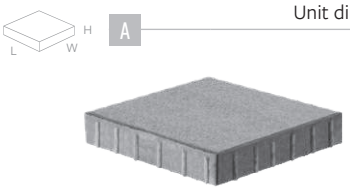
Specifications per pallet		Imperial	Metric
PAVER 100×600×600	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	2 556 lbs	1 159 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 ⅞	98	14 units
Width	23 ⅝	600	
Length	23 ⅝	600	

Specifications per pallet*		Imperial	Metric
SLAB 60×600×600	Cubing	**54.25 ft²**	5.04 m²
	Approx. Weight	1 555 lbs	705 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m

Specifications per pallet**		Imperial	Metric
SLAB 60×600×600	Cubing	**85.25 ft²**	7.92 m²
	Approx. Weight	2 432 lbs	1 103 kg
	Number of rows	11	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	3.94 lin. ft	1.20 lin. m

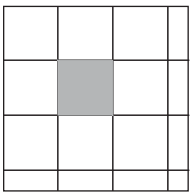


Unit dimensions	in	mm	Units/pallet
Height	2 5/16	58	14 units*
Width	23 ⅝	600	22 units**
Length	23 ⅝	600	

*Available while quantities last
**New packaging - Available Summer 2023

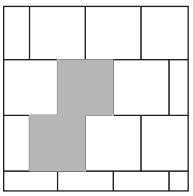
29 | Linear pattern

100% - 600x600

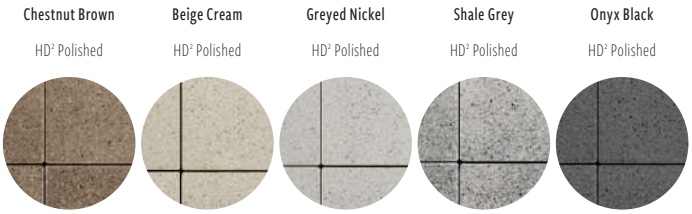


30 | Linear pattern

100% - 600x600



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

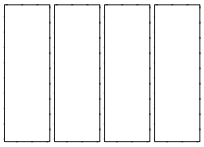




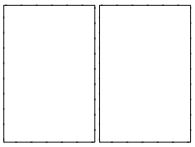
INDUSTRIA 900 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Smooth or HD² Granitex

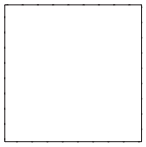
PALLET OVERVIEW - 900×300



PALLET OVERVIEW - 900×600



PALLET OVERVIEW - 900×900





*

NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

900 Series HD² Polished and HD² Granitex are made-to-order, minimum order of 500 sq. ft. Deposit required. HD² Smooth is in stock with shorter lead times.

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
900×300	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 821 lbs *	1 733 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	28 units
Width	35 7/16	900	
Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
900×600	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 839 lbs	1 741 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	14 units
Width	35 7/16	900	
Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
900×900	Cubing	**61.00 ft²**	5.67 m²
	Approx. Weight	2 893 lbs	1 312 kg
	Number of rows	7	
	Coverage per row	8.72 ft²	0.81 m²



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	7 units
Width	35 7/16	900	
Length	35 7/16	900	

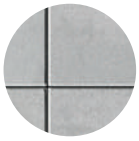
Chestnut Brown
HD² Smooth
HD² Granitex



Beige Cream
HD² Smooth
HD² Granitex



Greyed Nickel
HD² Smooth
HD² Granitex



Shale Grey
HD² Smooth
HD² Granitex

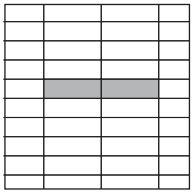


Onyx Black
HD² Smooth
HD² Granitex



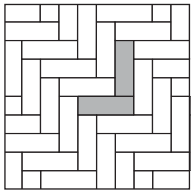
31 | Linear pattern

100% - 900x300



34 | Herringbone pattern

100% - 900x300



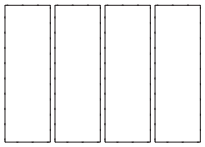
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



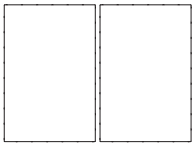
INDUSTRIA 900 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

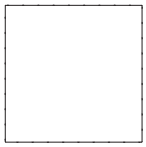
PALLET OVERVIEW - 900×300



PALLET OVERVIEW - 900×600



PALLET OVERVIEW - 900×900





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

900 Series HD² Polished and HD² Granitex are made-to-order, minimum order of 500 sq. ft. Deposit required. HD² Smooth is in stock with shorter lead times.

*For this application, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

Specifications per pallet		Imperial	Metric
900×300	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 821 lbs	1 733 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²





Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	28 units
Width	35 7/16	900	
Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
900×600	Cubing	**81.38 ft²**	7.56 m²
	Approx. Weight	3 839 lbs	1 741 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²

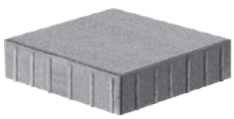




Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	14 units
Width	35 7/16	900	
Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
900×900	Cubing	**61.00 ft²**	5.67 m²
	Approx. Weight	2 893 lbs	1 312 kg
	Number of rows	7	
	Coverage per row	8.72 ft²	0.81 m²

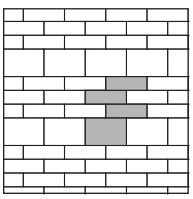




Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	7 units
Width	35 7/16	900	
Length	35 7/16	900	

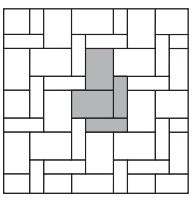
42 | Linear pattern

60% - 900x300 | **40%** - 900x600



44 | Herringbone pattern

70% - 900x600 | **30%** - 900x300



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown
HD² Polished



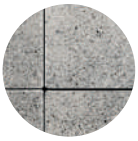
Beige Cream
HD² Polished



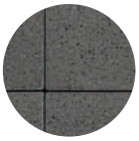
Greyed Nickel
HD² Polished



Shale Grey
HD² Polished



Onyx Black
HD² Polished

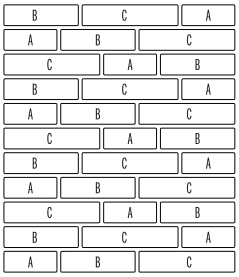




LINEA SMALL RECTANGLES

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

Specifications per pallet	Imperial	Metric
Cubing	**80.81 ft²**	7.51 m²
Approx. Weight	3 634 lbs	1 648 kg
Number of rows	7	
Coverage per row	11.54 ft²	1.07 m²
Linear coverage per row	35.25 lin. ft	10.74 lin. m



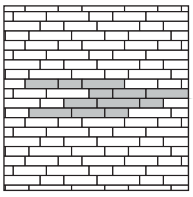
A	Unit dimensions	in	mm	Units/pallet
	Height	3 15/16	100	77 units
	Width	3 15/16	100	
	Length	8 7/8	225	

B				
	Height	3 15/16	100	77 units
	Width	3 15/16	100	
	Length	12 13/16	325	

C				
	Height	3 15/16	100	77 units
	Width	3 15/16	100	
	Length	16 3/4	425	

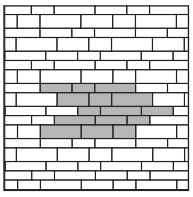
01 | Linear pattern

100% - small rectangles



03 | Linear pattern

52% - large rectangles | **48%** - small rectangles



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Champlain Grey | Shale Grey | Onyx Black

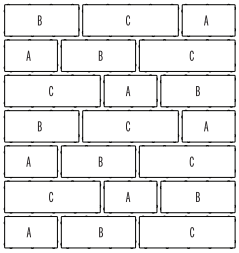




LINEA LARGE RECTANGLES

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

Specifications per pallet	Imperial	Metric
Cubing	**77.14 ft²**	7.17 m²
Approx. Weight	3 561 lbs	1 615 kg
Number of rows	7	
Coverage per row	11.02 ft²	1.02 m²
Linear coverage per row	22.40 lin. ft	6.83 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	3 15/16	100	49 units
	Width	5 7/8	150	
	Length	8 7/8	225	
B	Height	3 15/16	100	49 units
	Width	5 7/8	150	
	Length	12 13/16	325	
C	Height	3 15/16	100	49 units
	Width	5 7/8	150	
	Length	16 3/4	425	

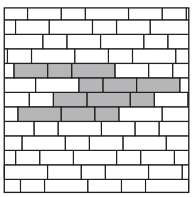






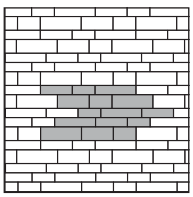
02 | Linear pattern

100% - large rectangles



03 | Linear pattern

52% - large rectangles | **48%** - small rectangles



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Champlain Grey | Shale Grey | Onyx Black

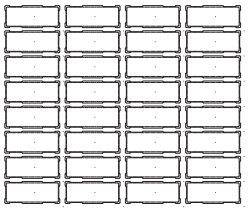




MIKA

DESCRIPTION: Paver **TEXTURE:** Klean-Bloc Slate

PALLET OVERVIEW





Klean-Bloc technology
See page 20.

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 5/8" (15 mm)
% OF SURFACE OPENING: 7.8 %
INFILTRATOIN RATE: 909 in./hr
(23 094 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		**107.63 ft²**	10.00 m²
Approx. Weight		3 012 lbs	1 366 kg
Number of rows		10	
Coverage per row		10.76 ft²	1.00 m²
Linear coverage per row	Depth	11.77 lin. ft	3.59 lin. m
	Length	29.25 lin. ft	8.92 lin. m

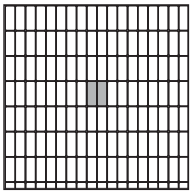


A

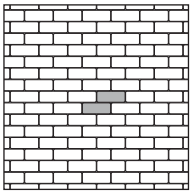


Unit dimensions	in	mm	Units/pallet
Height	2 ¾	70	320 units
Width	4 7/16	112	
Length	11	279	

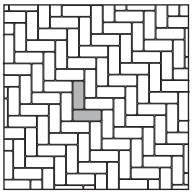
01 | Linear pattern



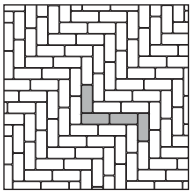
02 | Linear pattern



03 | Herringbone pattern



04 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Rock Garden Brown



Onyx Black

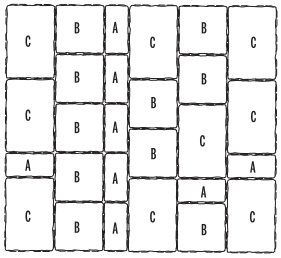




MISTA RANDOM

DESCRIPTION: Paver **TEXTURE:** Multi-textured

PALLET OVERVIEW







Permeable pavers allow for storm water drainage and manage excess runoff. The use of permeable pavers also facilitates LEED® certification easier to obtain.

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 3/16" TO 9/16" (4 TO 14 mm)
% OF SURFACE OPENING: 6.3 %
INFILTRATOIN RATE: 610 in./hr
(15 505 mm/hr)

Specifications per pallet	Imperial	Metric
Cubing	**116.20 ft²**	10.80 m²
Approx. Weight	3 356 lbs	1 522 kg
Number of rows	10	
Coverage per row	11.62 ft²	1.08 m²
Linear coverage per row	17.71 lin. ft	5.40 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	2 9/16	65	80 units
Width	7 7/8	200	
Length	3 15/16	100	

B



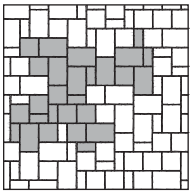
Height	2 9/16	65	100 units
Width	7 7/8	200	
Length	7 7/8	200	

C

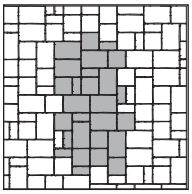


Height	2 9/16	65	90 units
Width	7 7/8	200	
Length	11 13/16	300	

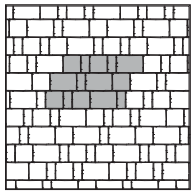
04 | Modular pattern



05 | Modular pattern



06 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

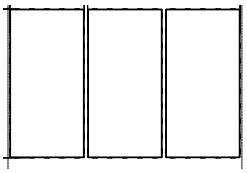




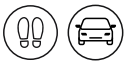
SLEEK

DESCRIPTION: Paver **TEXTURE:** HD² Smooth

PALLET OVERVIEW







NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

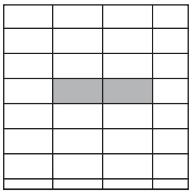
Specifications per pallet	Imperial	Metric
Cubing	**84.59 ft²**	7.86 m²
Approx. Weight	3 543 lbs	1 607 kg
Number of rows	8	
Coverage per row	10.57 ft²	0.98m²
	7.98 ft/row	2.43 m/row
	3.98 ft/row	1.21 m/row



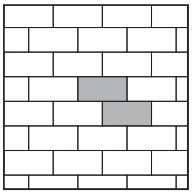


Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	24 units
Width	15 7/8	404	
Length	31 15/16	811	

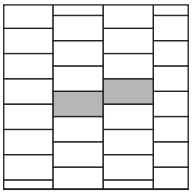
01 | Linear pattern



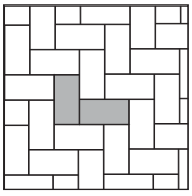
02 | Linear pattern



03 | Linear pattern

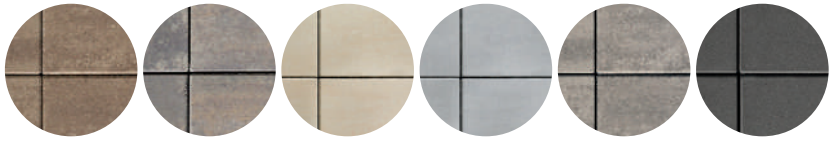


04 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Champlain Grey | Beige Cream | Greyed Nickel | Shale Grey | Onyx Black

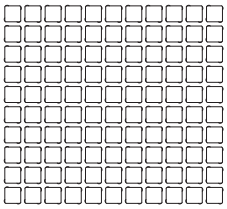




SQUADRA

DESCRIPTION: Paver **TEXTURE:** Slate

PALLET OVERVIEW





NOTES

See page 58 to 60 for more technical information.

See page 25 for more information about applications.

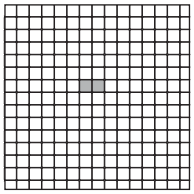
Specifications per pallet	Imperial	Metric
Cubing	**73.41 ft²**	6.82 m²
Approx. Weight	1 892 lbs	858 kg
Number of rows	9	
Coverage per row	8.16 ft²	0.76 m²
Linear coverage per row	29.95 lin. ft	9.13 lin. m



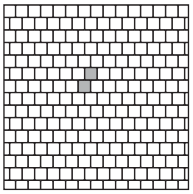
Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	990 units
Width	3 ¼	83	
Length	3 ¼	83	



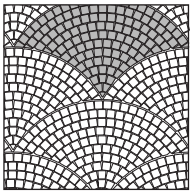
01 | Linear pattern



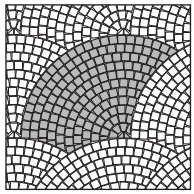
02 | Linear pattern



03 | Fish scale pattern



04 | Fish scale pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

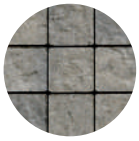
Merlot



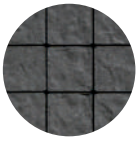
Chestnut Brown



Shale Grey



Onyx Black

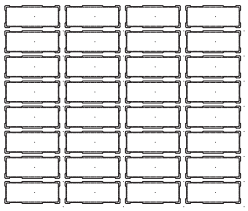




TRAVERTINA RAW

DESCRIPTION: Paver **TEXTURE:** Klean-Bloc Brushed Travertine

PALLET OVERVIEW





Klean-Bloc technology
See page 20.

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 5/8" (15 mm)
% OF SURFACE OPENING: 7.8 %
INFILTRATOIN RATE: 793 in./hr
(20 150 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		**107.63 ft²**	10.00 m²
Approx. Weight		2 967 lbs	1 346 kg
Number of rows		10	
Coverage per row		10.76 ft²	1.00 m²
Linear coverage per row	Depth	11.77 lin. ft	3.59 lin. m
	Length	29.25 lin. ft	8.92 lin. m

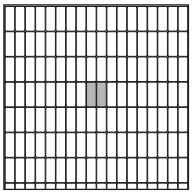


A

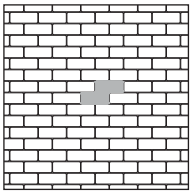


Unit dimensions	in	mm	Units/pallet
Height	2 ¾	70	320 units
Width	4 7/16	112	
Length	11	279	

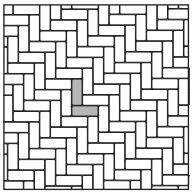
01 | Linear pattern



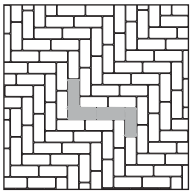
02 | Linear pattern



03 | Herringbone pattern

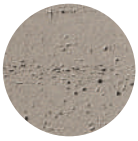


04 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

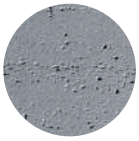
Rock Garden Brown



Ivory



Riviera

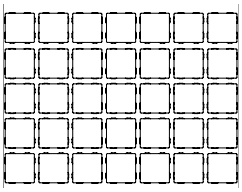




VALET

DESCRIPTION: Paver **TEXTURE:** Basalt

PALLET OVERVIEW





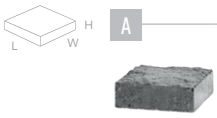
NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

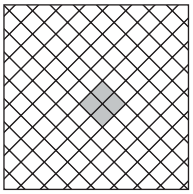
JOINT WIDTH: 9/32″ (7 mm)
% OF SURFACE OPENING: 5.9 %
INFILTRATOIN RATE: 400 in./hr (10 160 mm/hr)

Specifications per pallet	Imperial	Metric
Cubing	**92.31 ft²**	8.58 m²
Approx. Weight	2 381 lbs	1 080 kg
Number of rows	9	
Coverage per row	10.26 ft²	0.95 m²
Linear coverage per row	18.95 lin. ft	5.78 lin. m

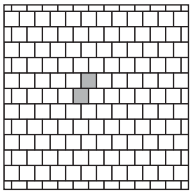


Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	315 units
Width	6 ½	165	
Length	6 ½	165	

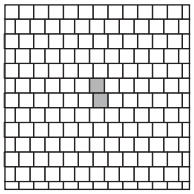
01 | Checkerboard pattern



02 | Linear pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

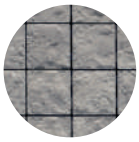
Chestnut Brown



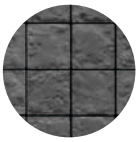
Champlain Grey



Shale Grey



Onyx Black

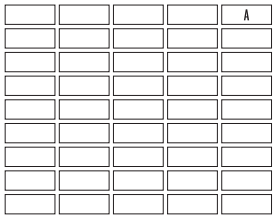




VICTORIEN 60 mm

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW





Specifications per pallet		Imperial	Metric
60 mm	Cubing	**123.70 ft²**	11.50 m²
	Approx. Weight	3 481 lbs	1 579 kg
	Number of rows	11	
	Coverage per row	11.25 ft²	1.05 m²
	Linear coverage per row Depth	15.87 lin. ft	4.84 lin. m
	Length	31.74 lin. ft	9.68 lin. m



A



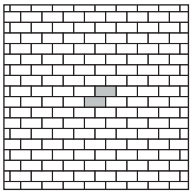
Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	495 units
Width	4 ¼	108	4 units/ft²
Length	8 ½	216	43.10 units/m²

NOTES

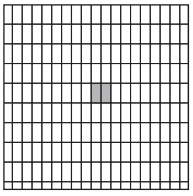
See page 58 to 60 for more technical information.

See page 25 for more information about applications.

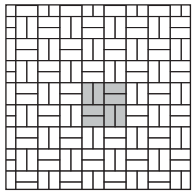
01 | Linear pattern



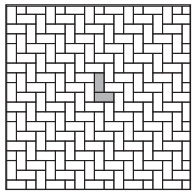
02 | Linear pattern



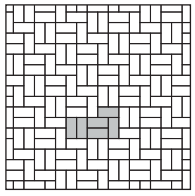
05 | Parquet pattern



06 | Herringbone pattern



07 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

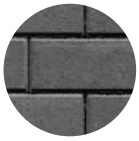
Chocolate Brown



Shale Grey



Onyx Black

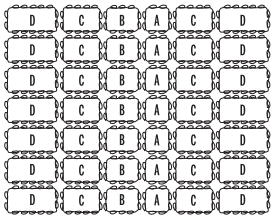




VILLAGIO

DESCRIPTION: Paver **TEXTURE:** Beveled

PALLET OVERVIEW





The Villagio paver allows for gentle curves and winding pathways, eliminating the need for cuts.

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 97 to 101 for more technical information.

See page 25 for more information about applications.

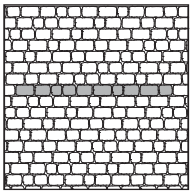
JOINT WIDTH: 3/8" TO 9/16" (9 TO 15 mm)
% OF SURFACE OPENING: 8.0 %
INFILTRATOIN RATE: 896 in./hr
(22 750 mm/hr)

Specifications per pallet	Imperial	Metric
Cubing	**117 ft²**	10.88 m²
Approx. Weight	2 960 lbs	1 342 kg
Number of rows	11	
Coverage per row	10.64 ft²	0.99 m²
Linear coverage per row	24.94 lin. ft	7.61 lin. m

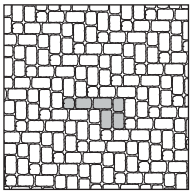


	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	77 units
	Width	5 1/8	130	
	Length	5 1/8	130	
B	Height	2 3/8	60	77 units
	Width	5 1/8	130	
	Length	6 5/16	160	
C	Height	2 3/8	60	154 units
	Width	5 1/8	130	
	Length	7 5/16	185	
D	Height	2 3/8	60	154 units
	Width	5 1/8	130	
	Length	8 7/16	215	

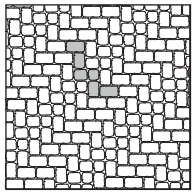
01 | Linear pattern



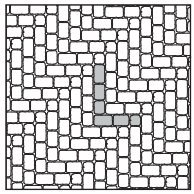
02 | Herringbone pattern



03 | Herringbone pattern



04 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Merlot



Chocolate Brown



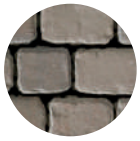
Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey



Onyx Black

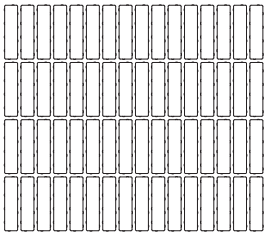




WESTMOUNT

DESCRIPTION: Paver **TEXTURE:** HD² Smooth / HD²+ Smooth (while quantities last)

PALLET OVERVIEW





See page 25 for more information about applications.

*HD²+ and HD² product should not be mixed on a job.

Specifications per pallet	Imperial	Metric
Cubing	**79.36 ft²**	7.37 m²
Approx. Weight	2 952 lbs	1 339 kg
Number of rows	8	
Coverage per row	9.92 ft²	0.92 m²
Linear coverage per row	12.60 lin. ft	3.84 lin. m
	50.39 lin. ft	15.36 lin. m

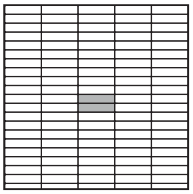


A

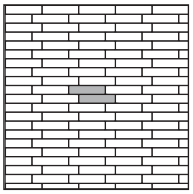


Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	512 units
Width	2 3/8	60	
Length	9 7/16	240	

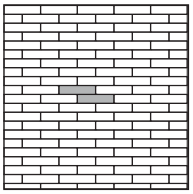
01 | Linear pattern



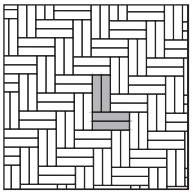
02 | Linear pattern



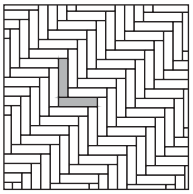
03 | Linear pattern



04 | Herringbone pattern



05 | Herringbone pattern



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Merlot



Chestnut Brown



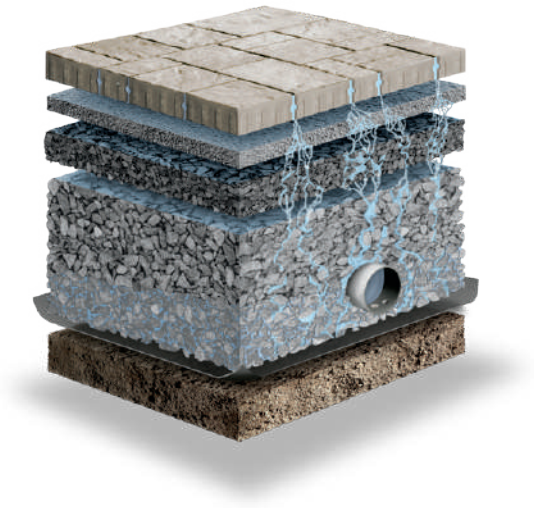
Shale Grey



Onyx Black



PERMEABLE PAVERS



DRIVEWAYS, PERMEABLE DRIVEWAYS & PATIOS

PERMEABLE PAVEMENTS

TECHO-BLOC PERMEABLE PAVEMENTS REDUCE RUNOFF AND IMPROVE THE QUALITY OF WATER RETURNING TO THE ENVIRONMENT. STORMWATER SEEPS THROUGH THE PAVING STONE JOINTS AND IS THEN DIRECTED INTO THE GROUND OR STORED TEMPORARILY IN THE BASE/SUBBASE STRUCTURE (OPEN GRADED STONE) RATHER THAN TURNING INTO RUNOFF HEADED DIRECTLY INTO THE SEWER SYSTEM.

PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS	ASTM C936	CSA A231.2:19
Compressive strength	8000 psi [55 MPa] min.	50 MPa min.
Absorption	5 % max.	
Freeze-thaw durability	Mass loss (max.): 225 g/m² at 28 cycles, or Mass loss (max.): 500 g/m² at 49 cycles	Mass loss (max.): 225 g/m2 after 28 cycles, or Mass loss (max): 500 g/m2 after 49 cycles
Dimensional tolerances (see Notes below):	Length and Width: ± 0.063 in. [1.6 mm] Thickness: ± 0.125 in. [3.2 mm]	Length and Width: -1.0 mm to +2.0 mm Thickness: ± 3.0 mm

Notes: The dimensional tolerances shown above are prior to the application of architectural finishes.

INSTALLATION GUIDE

SURFACE INFILTRATION CHARACTERISTICS

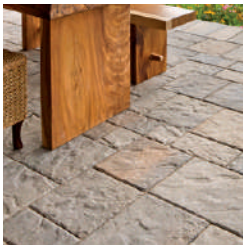
PERMEABLE PAVERS	PERCENT OF SURFACE OPENING (%)	JOINT WIDTH	INITIAL POST-CONSTRUCTION INFILTRATION RATE[1]
ANTIKA[2]	Variable	Variable	993 in./hr (25 227 mm/hr)
AQUASTORM[2]	38.4	1 5/8″ (41mm)	2 395 in./hr (60 842 mm/hr)
BLU 60 mm (6x13)[3]	4.8	9/32″ (7mm)	570 in./hr (14 475 mm/hr)
BLU 60 mm & BLU 60 (6X13)[3]	4.5	9/32″ (7mm)	570 in./hr (14 475 mm/hr)
BLU 80 mm (6x13)[3]	4.8	9/32″ (7mm)	570 in./hr (14 475 mm/hr)
BLU 80 mm & BLU 80 (6X13)[3]	4.5	9/32″ (7mm)	570 in./hr (14 475 mm/hr)
HYDRA	8.3	1/2″ (13mm)	605 in./hr (15 345 mm/hr)
MIKA[2]	7.8	5/8″ (15mm)	909 in./hr (23 094 mm/hr)
MISTA random[1]	6.3	3/16″ (4mm) to 9/16″ (14mm)	610 in./hr (15 505 mm/hr)
PURE[2]	5.0	3/8″ (10mm)	726 in./hr (18 440 mm/hr)
TRAVERTINA RAW[2]	7.8	5/8″ (15mm)	793 in./hr (20 150 mm/hr)
VALET[2]	5.9	9/32″ (7mm)	400 in./hr (10 160 mm/hr)
VILLAGIO[1]	8.0	3/8″ (9mm) to 9/16″ (15mm)	896 in./hr (22 750 mm/hr)

[1] Measurements were taken at various sites in conformity to the standard ASTM C 1701-09

[2] Measurements were taken at various sites in conformity to the standard ASTM C 1781.

[3] A min. of 4.5% opening surface requires 75% of Blu 6x13 and 25% of Blu. Combinations with other products could be possible, contact your local representative for more information.

OTHER PERMEABLE POSSIBILITIES



BLU 60 mm & Blu 60 mm (6x13) SLAB

(page 36 to 40)



AQUASTORM PAVER

(page 102)



ANTIKA PAVER

(page 61)



BLU 80 mm & Blu 80 mm (6x13) PAVER

(page 62 to 65)



MIKA PAVER

(page 88)



MISTA RANDOM PAVER

(page 89)



TRAVERTINA RAW PAVER

(page 92)



VALET PAVER

(page 93)



VILLAGIO PAVER

(page 95)

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT



INSTALLATION OUTLINE

01 DATA COLLECTION

A. Determine the size, shape, and intended use of finished areas (i.e. residential driveway, secondary commercial parking, etc.).

B. Classify sub-grade soils.

C. Document all existing conditions (i.e. fixed points, existing grades, site contours, etc.).

D. Document soil type, location, and elevation of below grade and overhead utilities both public and private.

E. Ensure public utilities are marked through the use of a locating service.

F. Determine the cross section design of the system based on soil type and application, showing proposed sub-grade and finished grade elevations and all geotextiles and drainage pipes needed for the construction.

G. Establish the type, location, and elevation of relief structures if required (i.e. overflow pipe discharging to rain garden, etc.).

H. Determine the curb or edge restraint type, elevation, and location.

I. Choose a pattern appropriate to the application (traffic type and load).

02 EXCAVATION

A. Before digging, contact the concerned companies if wires or pipes are located in the area to be excavated.

B. Excavation depth is determined from the foundation thickness according to the project specifications (foundation thickness is determined by a qualified engineer based on structural and hydrological analyses).

C. Although the slope of the sub-grade will depend on the drainage design and infiltration type, a minimum slope of 0.5% (1/16″ per ft, or 5 mm per meter) is recommended.

D. The distance that the excavated area should extend beyond the area to be paved should be one to 1.5 times the thickness of the foundation. This extra space will ensure the stability of the pavers near the edge and the edge restraints.

E. Level the bottom of the excavated area with a rake.

Compaction will reduce the permeability of the sub-grade and it should be executed according to the project specifications. If compaction is not specified, care should be taken to maintain undisturbed soil infiltration during excavation and construction. Stabilization of the sub-grade may be required with weak, continually saturated soils, or when subject to high traffic conditions. If the compaction or stabilization of sub-grade is necessary, reduced infiltration may require drainage pipes within the sub-base to conform to storm water drainage requirements.

03 GEOTEXTILE, IMPERMEABLE LINERS, AND DRAIN PIPES

A. Use the geotextile specified and install it according to project specifications. The use of a woven geotextile with bi-axel strength that meets design criteria is recommended.

B. Place the geotextile on the bottom and sides of the soil sub-grade. Eliminate wrinkles in the geotextile and ensure it is not damaged during construction.

C. Overlap of geotextile should be a minimum of 2′ (600 mm) in the direction of drainage. Overlapping should be “shingle” style with respect to any slope direction and base stone distribution direction. Keep properly tensioned, eliminate wrinkles, and avoid damaging fabric (no spikes).

D. If impermeable liners are required, install them according to project specifications and manufacturer’s instructions. Impermeable liners are used when full exfiltration from the reservoir (sub-base and base) into the underlying sub grade is not allowed (no infiltration design). Perforated drainage pipes are usually required in no infiltration and partial infiltration designs.

E. If drainage pipes are required, install them according to project specifications. The aggregate cover over drainage pipes should be at least 12″ (300 mm) to protect them from damage during sub-base or base compaction.

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT

04 SUB-BASE

For residential pedestrian applications, the sub-base may not be required and then only ASTM No. 57 (CSA 5-28) aggregate base layer with a minimum thickness of 6″ (150 mm) can be used (use a thicker base for additional water storage). Refer to Base (see below 06).

When traffic load, soil conditions, and climate require greater than 12″ (300 mm) of base or volume requirements for detention are higher, a sub-base may be required. Use sub-base ASTM No. 2 or No. 3 (CSA 40-80) meeting the following requirements:

- 90% fractured symmetrical particles
- Less than 5% passing the 200 sieve
- Industry hardness tested

A. Moisten, spread and compact the ASTM No. 2 (CSA 40-80) aggregate sub-base in minimum 6″ (150 mm) lifts (without distorting or damaging the geotextile) according to the project specifications.

B. Make at least two passes in the vibratory mode followed by at least two passes in the static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 2 (CSA 40-80) aggregate sub-base.

C. Do not allow the compactor to crush the aggregate.

D. Surface tolerance of the ASTM No. 2 (CSA 40-80) sub-base should be ± 2 ½″ (64 mm) over 10′ (3 m).

05 EDGE RESTRAINT

A. Install edge restraint according to project specifications.

B. Depending on the design, the top of the edge restraint can be hidden or exposed.

C. Install Avignon, Belgik or Pietra edge units. Cast-in-place concrete or precast concrete curbs should be considered in vehicular use applications (commercial/industrial driveways, parking lots or streets).

D. Edge restraint may rest on an open-graded or dense-graded aggregate base.

06 BASE

A. Moisten, spread and compact the ASTM No. 57 (CSA 5-28) aggregate base layer in one 4″ (100 mm) thick lift.

B. Make a minimum of two passes in vibratory mode followed by at least two in static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 57 (CSA 5-28) aggregate base.

C. Do not allow the compactor to crush the aggregate.

D. Surface tolerance of the ASTM No. 57 (CSA 5-28) base should be ± 1″ (25 mm) over 10′ (3 m). Verify prior to setting bed installation.

07 BEDDING COURSE

A. Moisten, spread and screed the ASTM No. 8 (CSA 2.5-10) aggregate bedding layer in one 2″ (50 mm) thick lift.

B. Surface tolerance of the ASTM No. 8 (CSA 2.5-10) bedding course should be ± 3 ⅜″ (10 mm) over 10′ (3 m).

C. Construction equipment and pedestrian traffic on the screeded bedding course should not be permitted.

08 PAVER

A. Pavers should be placed in the pattern shown on the drawings. Lay units hand tight to designated laying patterns. Units have lugs to maintain consistent joint width.

B. In sloped conditions, it is preferable to start laying from the bottom in an uphill direction.

C. The minimum slope recommended for permeable pavement surface is 1%.

D. Hydra pavers can be installed with a mechanical tool to expedite installation.

E. When subject to vehicular traffic, cut units should not be smaller than ⅓ of a whole paver. When using cut pieces, maintain joint.

F. In vehicular applications, pattern strength will increase if laying pattern is perpendicular to traffic flow.

INSTALLATION GUIDE

SEGMENTAL PERMEABLE PAVEMENT

09 JOINT FILL

A. Fill the paver joint openings with ASTM No. 8 (CSA 2.5-10) aggregate (or No. 89, No. 9 depending on joint width). Sweep stone to fill joints. Surface must be swept clean prior to compaction.

B. Compact with a minimum 5,000 lbf (22 kN) plate compactor (two passes minimum). The installation of a neoprene pad is recommended to protect the texture of the paving units.

C. Do not compact within 6′ (1.8 m) of unrestrained edges of the pavers.

D. Apply additional aggregate to fill the joint openings if needed and compact.

E. Surface tolerance of compacted pavers should be ± ⅜″ (10 mm) over 10′ (3 m).

QUANTITY CHART FOR PERMEABLE JOINTS

Approximate clean stone quantity in kg (lb) to cover an area of 1 m^2 (1 pi^2) to fill between joints.
It is recommended to always start with a small area.

PRODUCTS	JOINT FILL MATERIAL	(lbs/sq. ft)	(kg/sq. m)
Antika	ASTM No. 8 (CSA 2.5 - 10) (¼″)	1.9	9.3
Aquastorm	ASTM No. 8 (CSA 2.5 - 10) (¼″)	12.2	59.5
Blu 60 mm & Blu 60 (6x13)	ASTM No. 9 (CSA 2.5 - 5) (⅛″)	0.6	3.0
Blu 60 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) (⅛”)	0.9	4.2
Blu 80 mm & Bu 80 (6x13)	ASTM No. 9 (CSA 2.5 - 5) (⅛″)	0.8	4.0
Blu 80 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) (⅛”)	1.2	5.7
Hydra	ASTM No. 8 (CSA 2.5 - 10) (¼″)	2.9	14.4
Mika	ASTM No. 8 (CSA 2.5 - 10) (¼″)	2.5	12.2
Mista random	ASTM No. 9 (CSA 2.5 - 5) (⅛″)	1.0	5.0
Pure	ASTM No. 9 (CSA 2.5 - 5) (⅛″)	1.4	7.0
Travertina Raw	ASTM No. 8 (CSA 2.5 - 10) (¼″)	2.5	12.2
Valet	ASTM No. 9 (CSA 2.5 - 5) (⅛″)	1.3	6.2
Villagio	ASTM No. 8 (CSA 2.5 - 10) (¼″)	2.1	10.2

Note: Gator Aqua Rock permeable stone (bagged) can be used to meet the ASTM No. 9 gradation.

10 POST INSTALLATION PROTECTION

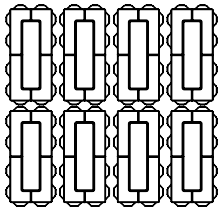
Prevent contamination of the porous (permeable) pavement system from fine aggregates and debris by maintaining erosion and sedimentation (E&S) measures at the perimeter.



AQUASTORM

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW





Aqua Storm paver meet and exceeds the requirements of ASTM C1319 for Concrete Grid Paving Units.

Specifications per pallet		Imperial	Metric
Cubing		**78.39 ft²**	7.28 m²
Approx. Weight		2 245 lbs	1 018 kg
Number of rows		7	
Coverage per row		11.20 ft²	1.04 m²
Linear coverage per row	Depth	13.39 lin. ft	4.08 lin. m
	Length	6.69 lin. ft	2.04 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	56 units
Width	10 1/16	255	
Length	20 1/16	510	

NOTES

See page 58 to 60 for more technical information. When used in a permeable pavement application, see page 29 and 99 for more technical information.

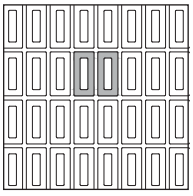
See page 25 for more information about applications.

JOINT WIDTH: 1 5/8" (41 mm)
% OF SURFACE OPENING: 38 %
INFILTRATOIN RATE: 2 395 in./hr (60 842 mm/hr)

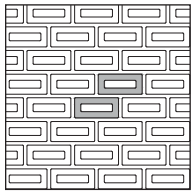
WINTER CONDITIONS

De-icing salts should never be used on grass as salt will damage it. The snowblower blade should be set to leave a ¾ to 1 ½ in. (2 to 4 cm) tamped snow cover to protect the grass from extreme cold and prevent it from being torn off during snow removal.

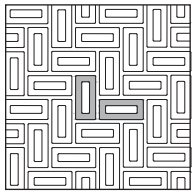
01 | Linear pattern



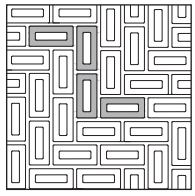
02 | Linear pattern



03 | Herringbone pattern



04 | Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Grey



Grey

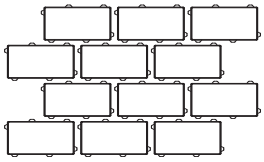




HYDRA

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW





- LEED® Projects.
- Reduces stormwater runoff to municipal sewers.
- Eliminates the need for retention basins and optimizes the use of land.

CHARACTERISTICS

- Clamp or Mechanical tool available for machine installation. Check with your local Techo-Bloc representative for more information.
- 6000 to 8000 sq. ft can be installed per day with mechanical installation and a team of 5 persons

NOTES

See page 29 and 99 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 1/2" (13 mm)
% OF SURFACE OPENING: 8.3 %
INFILTRATOIN RATE: 605 in./hr
(15 345 mm/hr)

Specifications per pallet	Imperial	Metric
Cubing	**62 ft²**	5.76 m²
Approx. Weight	2 811 lbs	1 275 kg
Number of rows	8	
Coverage per row	7.75 ft²	0.72 m²
Linear coverage per row	11.80 lin. ft	3.60 lin. m

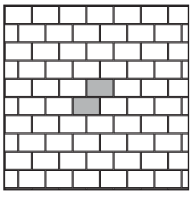


A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	96 units
Width	7 7/8	200	
Length	11 13/16	300	

01 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown | Grey | Shale Grey

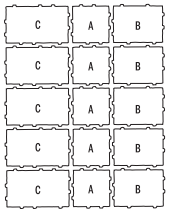




PURE

DESCRIPTION: Paver **TEXTURE:** Beveled

PALLET OVERVIEW





The use of permeable pavement systems throughout the world has proven effective in reducing storm water runoff while increasing infiltration rates as it returns the water to the environment. The use of permeable pavers also facilitates LEED® certification easier to obtain.

NOTES

See page 29 and 99 for more technical information.

See page 25 for more information about applications.

JOINT WIDTH: 3/8" (10 mm)
% OF SURFACE OPENING: 5.0 %
INFILTRATOIN RATE: 726 in./hr (18 440 mm/hr)

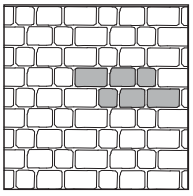
Specifications per pallet	Imperial	Metric
Cubing	**90 ft²**	8.36 m²
Approx. Weight	3 175 lbs	1 440 kg
Number of rows	8	
Coverage per row	11.25 ft²	1.05 m²
Linear coverage per row	15 lin. ft	4.57 lin. m



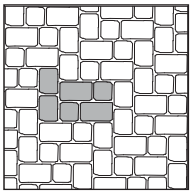
	Unit dimensions	in	mm	Units/pallet
A	Height	3 ⅛	80	40 units
	Width	9	229	
	Length	9	229	
B	Height	3 ⅛	80	40 units
	Width	9	229	
	Length	12	305	
C	Height	3 ⅛	80	40 units
	Width	9	229	
	Length	15	381	



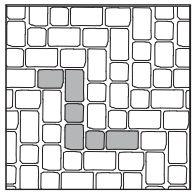
01 | Linear pattern



02 | Herringbone pattern



03 | Modified Herringbone pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey



OUTDOOR FEATURES

FIREPLACES, FIRE PITS, & GRILL ISLANDS



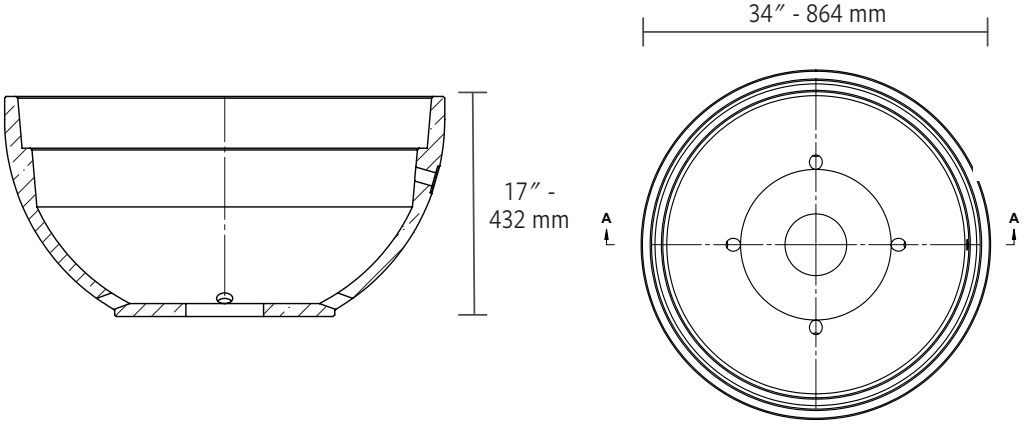


LUMI FIREBOWL

NOTES
Includes:
Burner, pan, Dante valve, lava rock and canvas-style cover.

Specifications per pallet	Imperial	Metric
Approx. Weight	395 lbs	179 kg
Overall Height	17 in	432 mm
Exterior Diameter	34 in	864 mm
Interior Diameter	31 in	787 mm





Warm Grey





BRANDON RECTANGULAR FIRE PIT

D TECHO-BLOC WARRANTY APPLIES TO BRANDON STONES
THE WARRANTY **DOES NOT APPLY** TO ACCESSORY KIT

NOTES

Sold as a kit not pre-assembled.
Raffinato pre-cut caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit. The firepit is not designed for large fires. Fire should be contained at least 6" away from the firepit wall blocks. Overheating could lead to heat damage to the firepit components.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

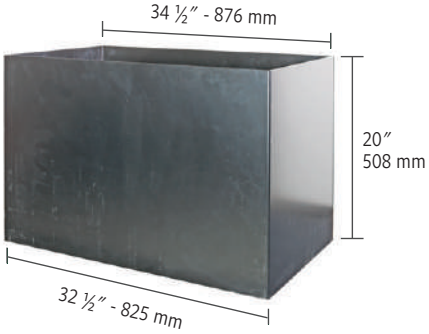
See 108 for more technical information.

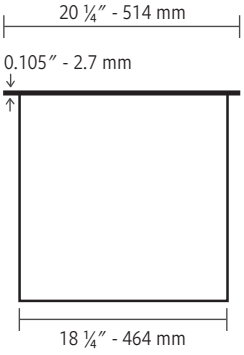
Specifications per pallet	Imperial	Metric
Cubing	**58 units**	58 units
Approx. Weight	2 660 lbs	1 207 kg
Overall Height	19 15/16 in	507 mm
Overall Width	44 ½ in	1 130 mm
Overall Length	57 ¾ in	1 467 mm
Brandon 90 mm units	20 C units	
Brandon 90 mm corner units	30 units	
Cap units	8 units	

Options and accesories (sold separately)

Sleeve Insert

Wood Firepit





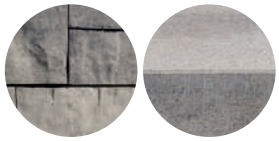
FIRE PIT CAP

Chestnut Brown



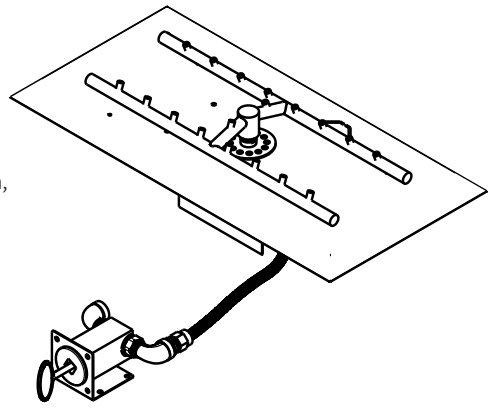
FIRE PIT CAP

Shale Grey



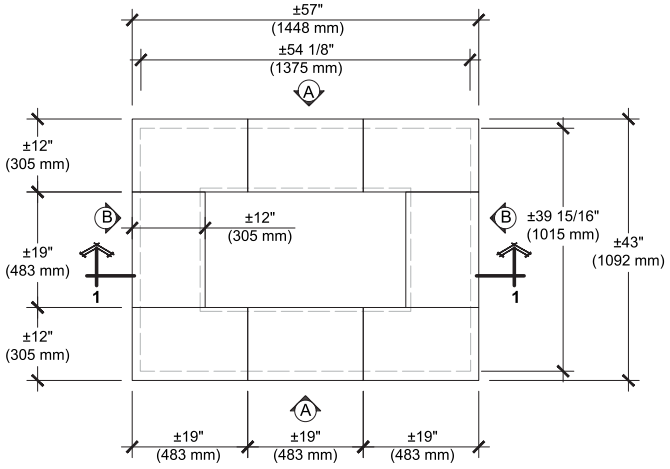
Burners

HPC Burners
Features:
Natural Gas or Liquid Propane
Standard BTU: 65K
Push button ignition
Includes:
Stainless steel burner with aluminum pan, mounting brackets, Dante valve with push-button ignition, vents, lava rock and stainless steel cover.

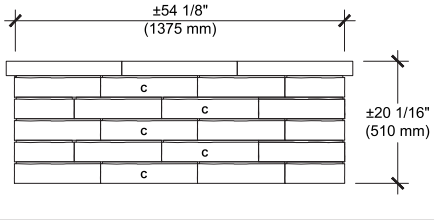


INSTALLATION GUIDE

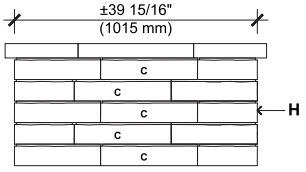
BRANDON RECTANGLE, FIRE PIT (KIT)



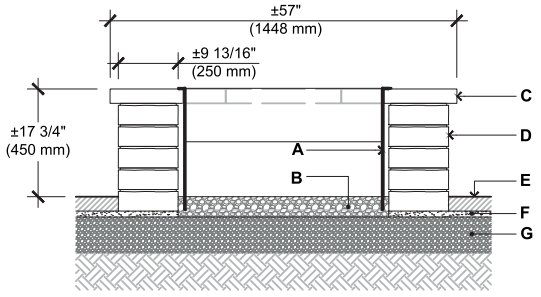
TOP



ELEVATION A



ELEVATION B



SECTION 1-1

A. STEEL BOX INSERT
B. CLEAN STONE ¾″ (20 mm), 4″ (100 mm) THICK
C. RAFFINATO CAP 60 mm (PRE-CUT)
D. BRANDON 90 mm BLOCK
E. TECHO-BLOC PAVERS OR SLABS
F. SETTING BED 1″ (25 mm)
G. COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)
H. BRANDON 90 mm CORNER BLOCK

Consult our Installation Guide in our website for a detail step by step installation.

QUANTITY OF MATERIALS REQUIRED

- RAFFINATO CAP 60 mm: 8
- Brandon 90 mm block C : 20
- Brandon 90 mm corner block: 30

NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



BRANDON SQUARE FIRE PIT

D TECHO-BLOC WARRANTY APPLIES TO BRANDON STONES
THE WARRANTY **DOES NOT APPLY** TO ACCESSORY KIT

NOTES

Sold as a kit not pre-assembled.
Raffinato pre-cut caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit. The firepit is not designed for large fires. Fire should be contained at least 6" away from the firepit wall blocks. Overheating could lead to heat damage to the firepit components.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See 110 for more technical information.

Sleeve insert, Burners and Accessories are sold separetely.

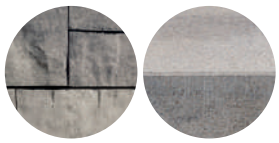
FIRE PIT CAP

Chestnut Brown



FIRE PIT CAP

Shale Grey

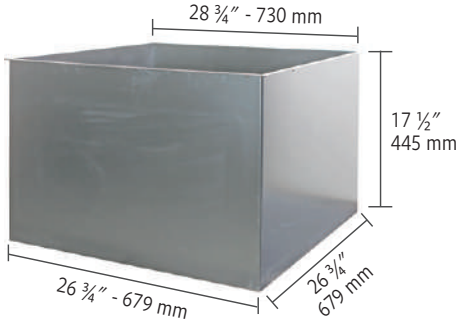


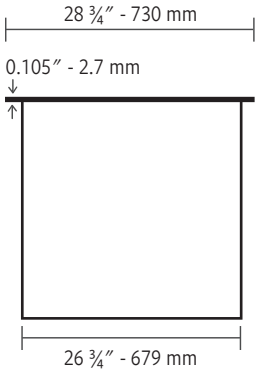
Specifications per pallet	Imperial	Metric
Cubing	**66 units**	66 units
Approx. Weight	2 454 lbs	1113 kg
Overall Height	19 15/16 in	507 mm
Overall Width	53 ½ in	1 359 mm
Overall Length	53 ½ in	1 359 mm
Brandon 90 mm units	20 A units	20 B units
Brandon 90 mm corner units	20 units	
Cap units	6 units	

Options and accesories (sold separately)

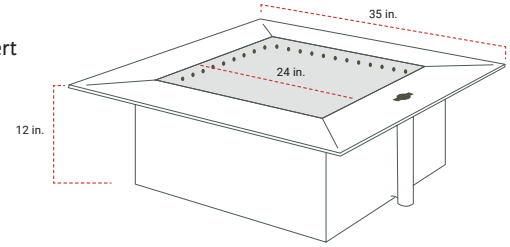
Sleeve Insert

Wood Firepit



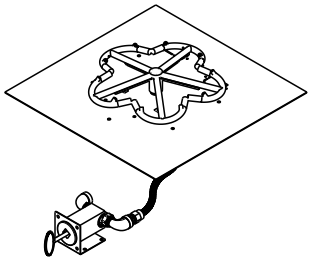


Smokeless Insert



Burners and Accessories

HPC Burners
Features:
Natural Gas or Liquid Propane
Standard BTU: 65K
Push button ignition
Includes:
Stainless steel burner with aluminum pan, mounting brackets, Dante valve with push-button ignition, vents, lava rock and stainless steel cover.



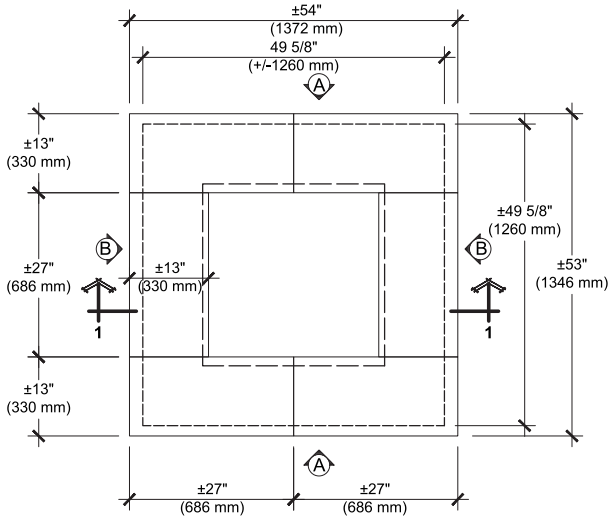
Grilling System Outpost ™
Only for Smokeless inserts



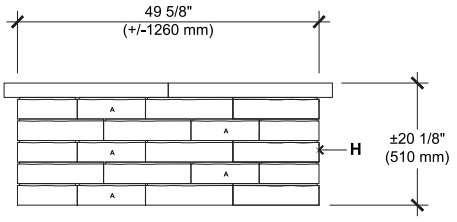
Transforms fire pit into wood-fired grill.
Weight: 12 lbs. 9 oz.
Diameter: 22 inches

INSTALLATION GUIDE

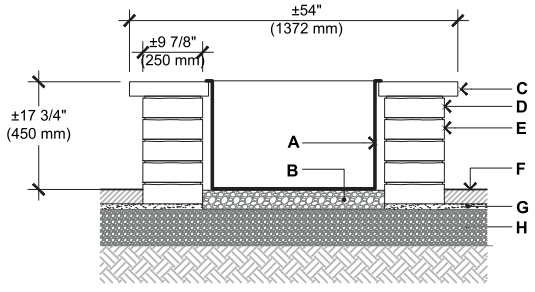
BRANDON SQUARE, FIRE PIT (KIT)



TOP



ELEVATION A



SECTION 1-1

A. STEEL BOX INSERT

B. CLEAN STONE ¾″ (20 mm), 4″ (100 mm) THICK

C. RAFFINATO CAP 60 mm (PRE-CUT)

D. BRANDON 90 mm BLOCK

E. TECHO-BLOC PAVERS OR SLABS

F. SETTING BED 1″ (25 mm)

G. COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)

H. BRANDON 90 mm CORNER BLOCK

QUANTITY OF MATERIALS REQUIRED

- RAFFINATO CAP 60 mm: 6
- Brandon 90 mm block: 20 A , 20 B
- Brandon 90 mm corner block: 20

NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

Consult our Installation Guide in our website for a detail step by step installation.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



MANCHESTER FOYER SHALE GREY

DESCRIPTION: Fireplace **TEXTURE:** Smooth

Top Section (with chimney)	imperial	metric
Approx. Weight	2 134 lbs	968 kg
Height	53 ¼ in	1 353 mm
Width	52 in	1 321 mm
Depth	32 in	813 mm

Woodbox (With York Cap)	imperial	metric
Approx. Weight	1 568 lbs	711 kg
Height	30 ¼ in	768 mm
Width	33 in	838 mm
Depth	34 in	864 mm

Bottom Section	imperial	metric
Approx. Weight	4 985 lbs	2 261 kg
Height	43 ½ in	1 105 mm
Width	59 in	1 499 mm
Depth	43 in	1 092 mm

Ⓓ

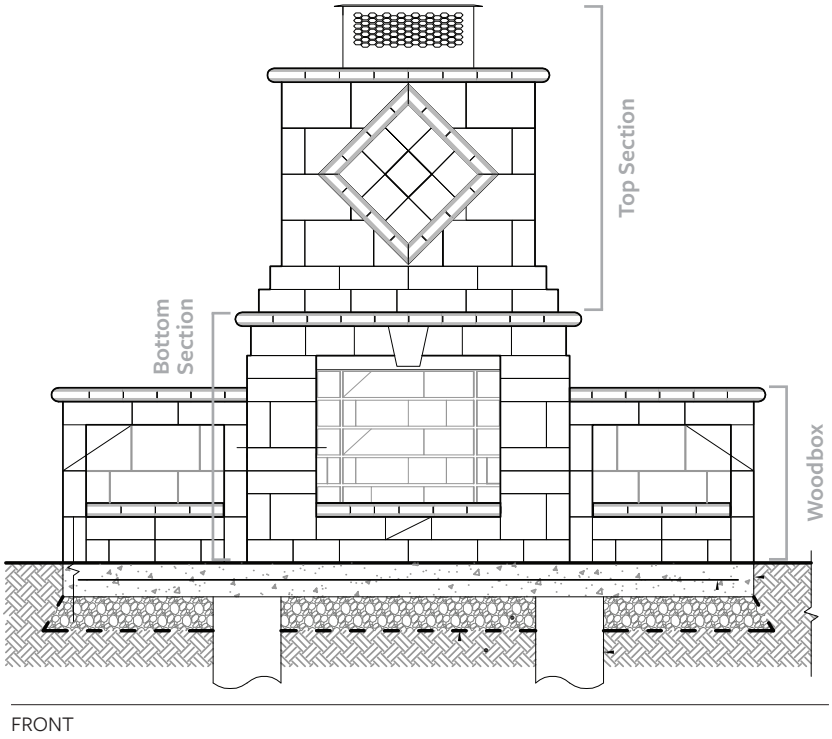
NOTES

See 112 for more technical information.

Tested & Listed By O-T-L Portland Oregon USA C US OMNI-Test Laboratories, Inc.

Report number: 0538WF001S

UL-127 & ULC-S610 compliant

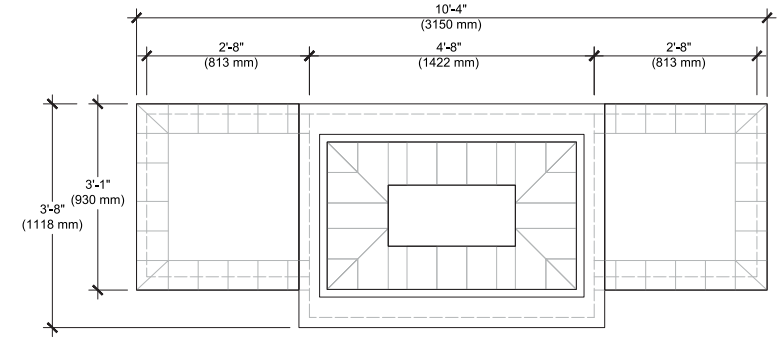


Shale Grey



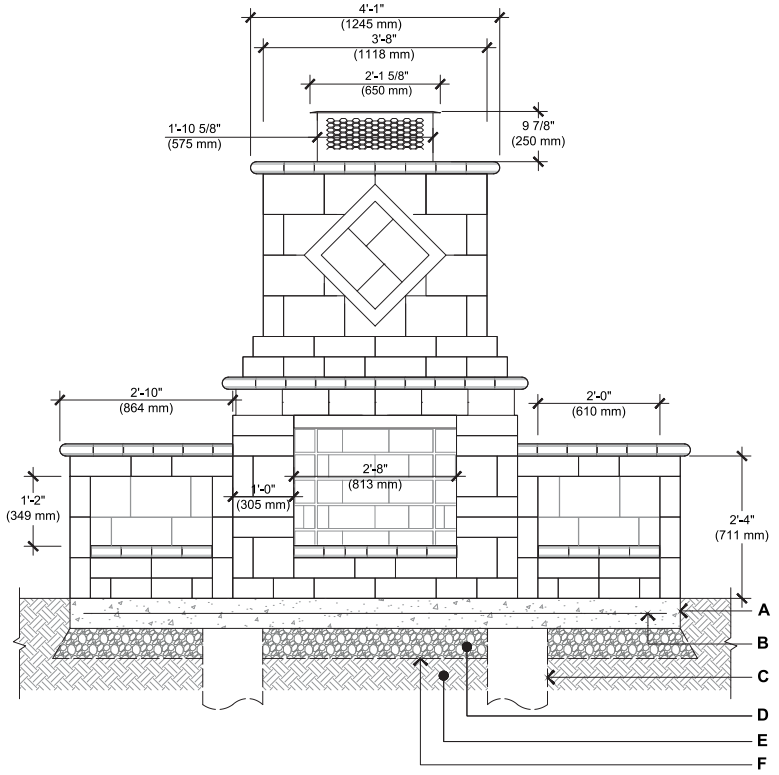
INSTALLATION GUIDE

MANCHESTER FOYER SHALE GREY (PRE-ASSEMBLED KIT)

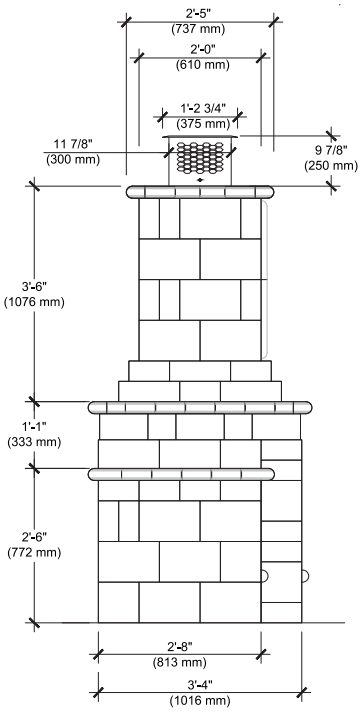


TOP

- **A.** CAST IN PLACE CONCRETE SLAB - 30 MPa 150 mm (6″) THICK
- **B.** 152 x 152 MW 18.7 x MW 18.7 (6 x 6-W2.9 x W2.9) WELDED WIRE MESH AS PER SITE CONDITIONS
- **C.** 300 mm (12″) Ø CONCRETE PILLAR FOUNDATION EXTENDED TO 150 mm (6″) BELOW FROST LINE AS PER SITE CONDITIONS AND LOCAL BUILDING REGULATIONS
- **D.** 20 mm (¾″) CLEAN STONE 150 mm (6″) THICK MIN. AS PER SITE CONDITIONS
- **E.** NATURAL SOIL OR COMPACTED BACKFILL
- **F.** GEOTEXTILE



FRONT



SIDE

Consult our Installation Guide in our website for a detail step by step installation.

The installer must ensure that the installation and use of the fireplace comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



MANCHESTER FOYER CHESTNUT BROWN

DESCRIPTION: Fireplace **TEXTURE:** Smooth

Top Section (with chimney)	imperial	metric
Approx. Weight	2 134 lbs	968 kg
Height	53 ⅜ in	1 356 mm
Width	52 in	1 321 mm
Depth	32 in	813 mm

Woodbox (With Bullnose Cap)	imperial	metric
Approx. Weight	1 568 lbs	711 kg
Height	30 ⅜ in	772 mm
Width	34 in	864 mm
Depth	36 ⅝ in	930 mm

Bottom Section	imperial	metric
Approx. Weight	4 985 lbs	2 261 kg
Height	43 ½ in	1 105 mm
Width	60 ⅛ in	1 527 mm
Depth	44 in	1 118 mm

Ⓓ

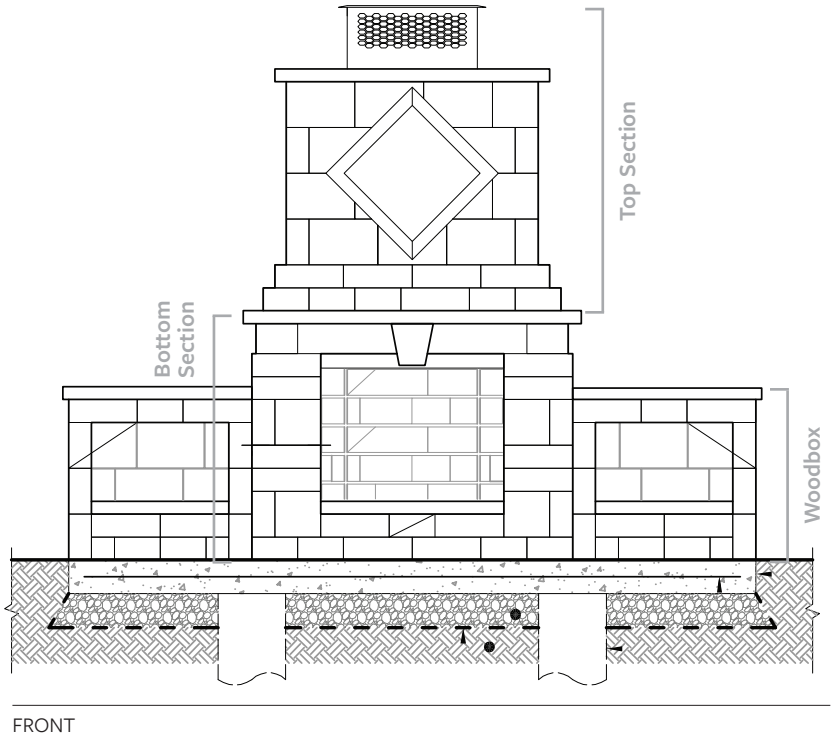
NOTES

See 114 for more technical information.

Tested & Listed By O-T-L Portland Oregon USA C US OMNI-Test Laboratories, Inc.

Report number: 0538WF001S

UL-127 & ULC-S610 compliant

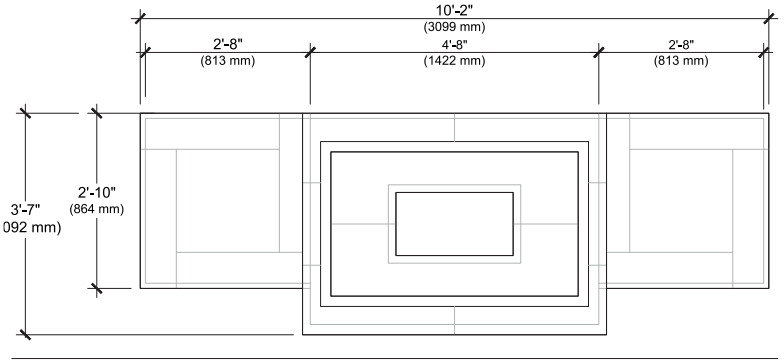


Chestnut Brown



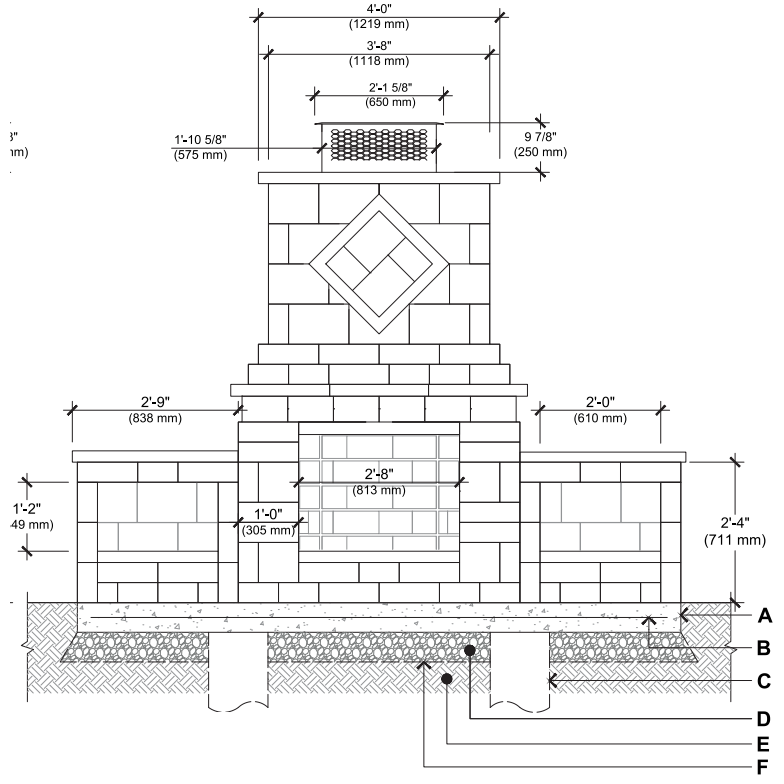
INSTALLATION GUIDE

MANCHESTER FOYER CHESTNUT BROWN (PRE-ASSEMBLED KIT)

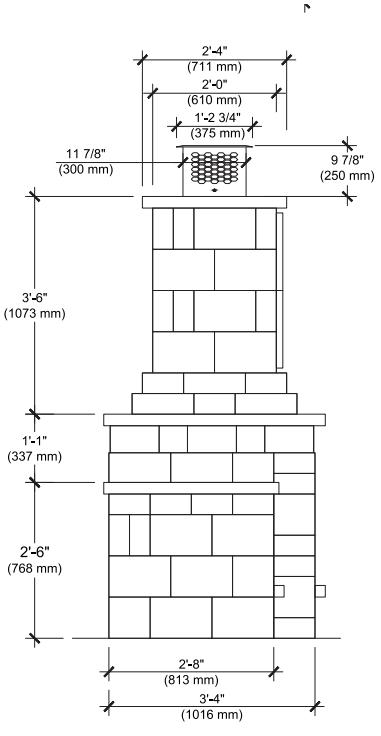


TOP

- **A.** CAST IN PLACE CONCRETE SLAB - 30 MPa 150 mm (6″) THICK
- **B.** 152 x 152 MW 18.7 x MW 18.7 (6 x 6-W2.9 x W2.9) WELDED WIRE MESH AS PER SITE CONDITIONS
- **C.** 300 mm (12″) Ø CONCRETE PILLAR FOUNDATION EXTENDED TO 150 mm (6″) BELOW FROST LINE AS PER SITE CONDITIONS AND LOCAL BUILDING REGULATIONS
- **D.** 20 mm (¾″) CLEAN STONE 150 mm (6″) THICK MIN. AS PER SITE CONDITIONS
- **E.** NATURAL SOIL OR COMPACTED BACKFILL
- **F.** GEOTEXTILE



FRONT



SIDE

Consult our Installation Guide in our website for a detail step by step installation.

The installer must ensure that the installation and use of the fireplace comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



PRESCOTT

DESCRIPTION: Fire pit **TEXTURE:** Natural stone

W

NOTES

Sold as a kit not pre-assembled.
Piedimonte caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit. The firepit is not designed for large fires. Fire should be contained at least 6" away from the firepit wall blocks. Overheating could lead to heat damage to the firepit components.

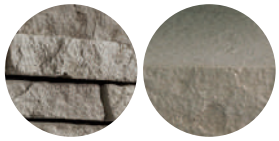
*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

OPTIONS AND ACCESORIES ARE SOLD SEPARATELY.

See 116 for more technical information.

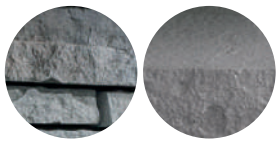
FIRE PIT CAP

Rock Garden Brown



FIRE PIT CAP

Riviera

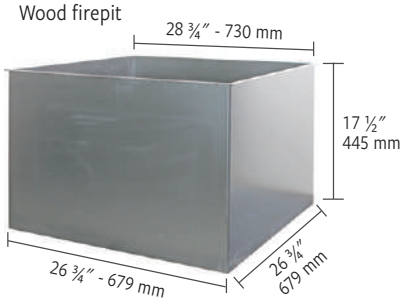


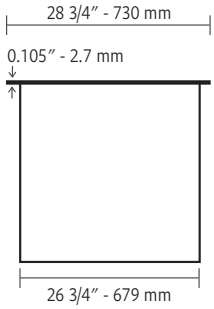
Specifications per pallet	Imperial	Metric
Approx. Weight	2 813 lbs	1276 kg
Height	18 in	457 mm
Depth	51 ¾ in	1 314 mm
Length	51 ¾ in	1 314 mm
Piedimonte caps	6	
Prescott 2,25" block	7 A, 18 B, 7 C	
Prescott 4,5" block	3 A, 6 B, 3 C	
Prescott 2,25" corner block	16	
Prescott 4,5" corner block	6	

Options and accesories (sold separately)

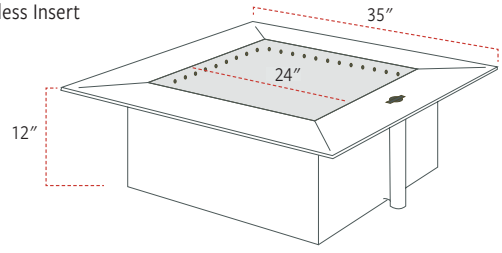
Sleeve Insert

Wood firepit



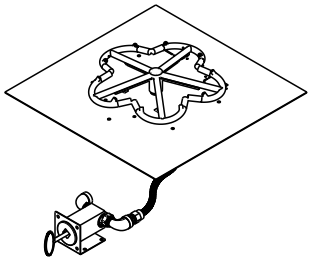


Smokeless Insert



Burners and Accessories

HPC Burners
Features:
Natural Gas or Liquid Propane
Standard BTU: 65K
Push button ignition
Includes:
Stainless steel burner with aluminum pan, mounting brackets, Dante valve with push-button ignition, vents, lava rock and stainless steel cover.



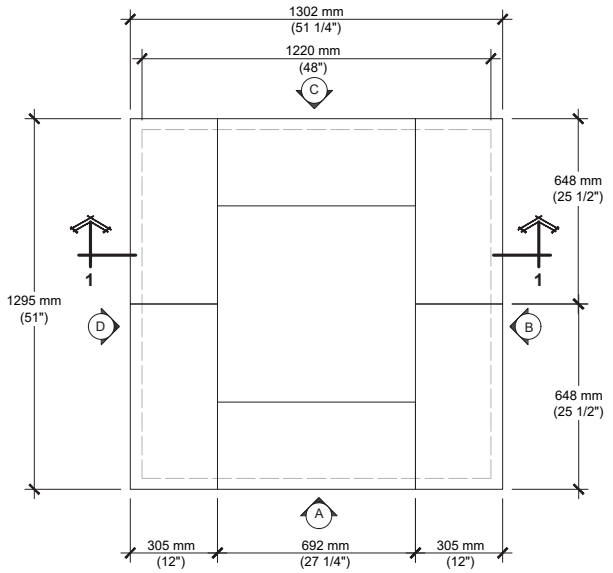
Grilling System Outpost ™
Only for Smokeless inserts



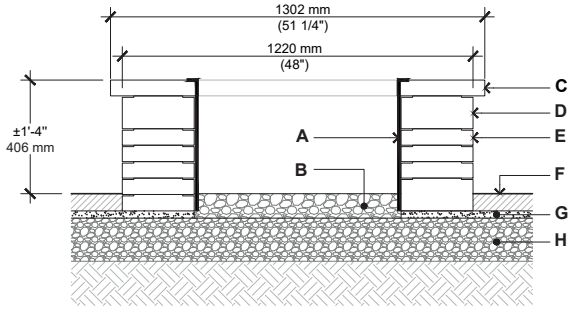
Transforms fire pit into wood-fired grill.
Weight: 12 lbs. 9 oz.
Diameter: 22 inches

INSTALLATION GUIDE

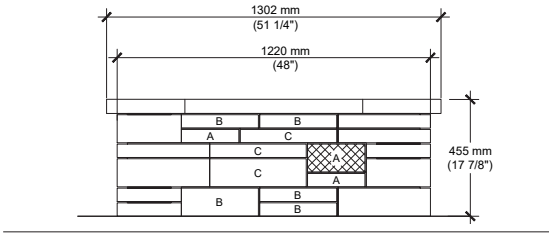
PRESCOTT FIRE PIT (KIT)



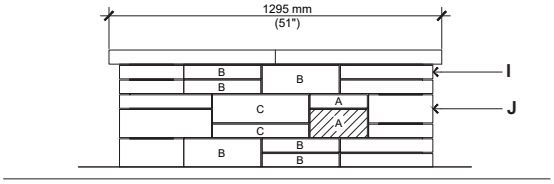
TOP



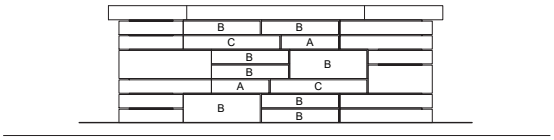
SECTION 1-1



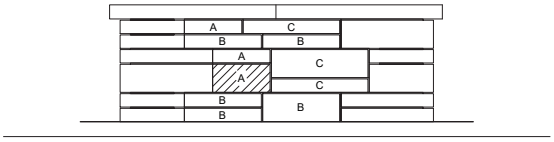
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

- **A.** STEEL BOX INSERT
- **B.** CLEAN STONE 3/4'' (20 MM), 4''(100 MM)THICK
- **C.** PIEDIMONTE CAP (CUT)
- **D.** PRESCOTT 4.5'' BLOCK
- **E.** PRESCOTT 2.25'' BLOCK
- **F.** TECHO-BLOC PAVERS OR SLABS
- **G.** SETTING BED 1'' (25 MM)
- **H.** COMPACTED GRANULAR BASE 0-3/4'' (0-20 MM (SEE TABLE PAGE 60 FOR THICKNESS)
- **I.** PRESCOTT 4.5'' CORNER BLOCK
- **J.** PRESCOTT 2.25 CORNER BLOCK

QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: **6**
- Prescott 2.25″block: **7** A, **18** B, **7** C
- Prescott 4.5″block: **3** A, **6** B, **3** C
- Prescott 2.25″ corner block: **16**
- Prescott 4.5″ corner block: **6**

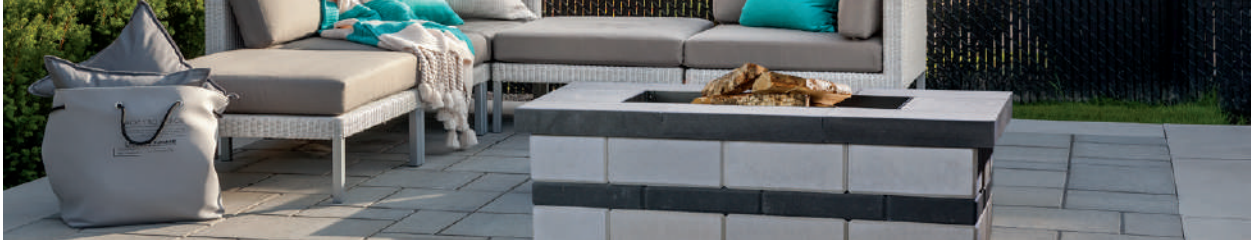
NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

RECOMMENDED LOCATION FOR VENT ACCESSORY (GAS KIT);

RECOMMENDED LOCATION FOR IGNITION CONTROL (GAS KIT);

Consult our Installation Guide in our website for a detailed step by step installation.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



RAFFINATO

DESCRIPTION: Fire pit **TEXTURE:** Smooth

Ⓓ

NOTES

Sold as a kit not pre-assembled.
Raffinato pre-cut caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit. The firepit is not designed for large fires. Fire should be contained at least 6" away from the firepit wall blocks. Overheating could lead to heat damage to the firepit components.

OPTIONS AND ACCESORIES ARE SOLD SEPARATELY.

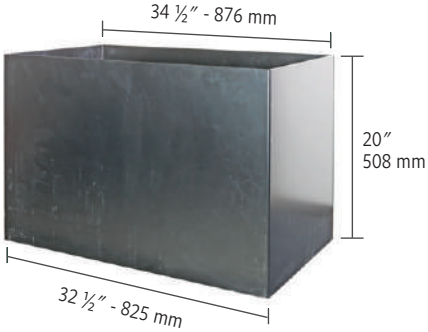
See 118 for more technical information.

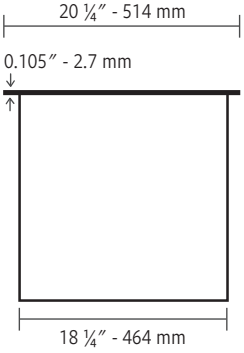
Specifications per pallet	Imperial	Metric
Approx. Weight	2 700 lbs	1 224 kg
Height	21 ¼ in	540 mm
Depth	41 ½ in	1 054 mm
Length	55 ⅞ in	1 419 mm
12″×24″ caps	8	
Raffinato 90 mm corner block	10	
Raffinato 180 mm corner block	20	

Options and accesories (sold separately)

Sleeve Insert

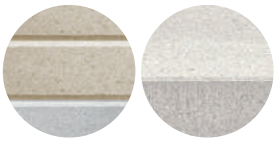
Wood firepit





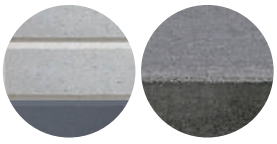
FIRE PIT
Beige Cream / Greyed Nickel

CAP
Greyed Nickel



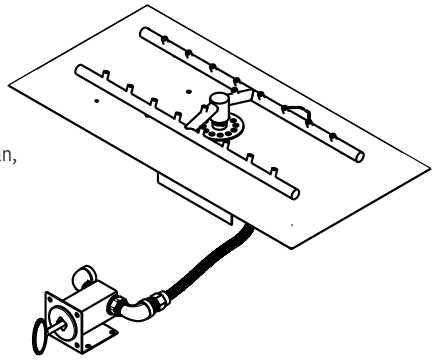
FIRE PIT
Greyed Nickel / Onyx Black

CAP
Onyx Black



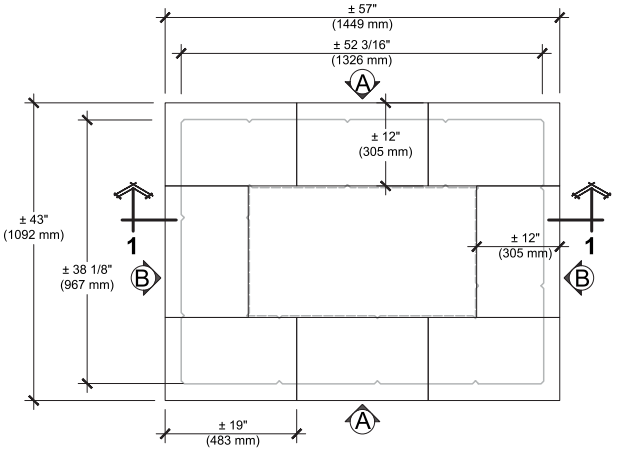
HPC Burners

Features:
Natural Gas or Liquid Propane
Standard BTU: 65K
Push button ignition
Includes:
Stainless steel burner with aluminum pan, mounting brackets, Dante valve with push-button ignition, vents, lava rock and stainless steel cover.

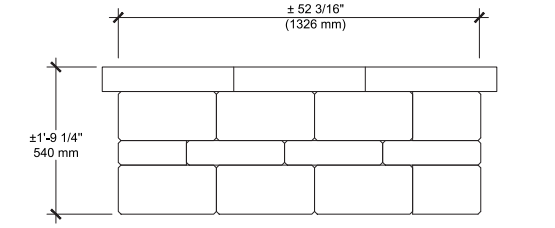


INSTALLATION GUIDE

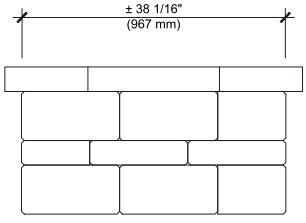
RAFFINATO FIRE PIT (KIT)



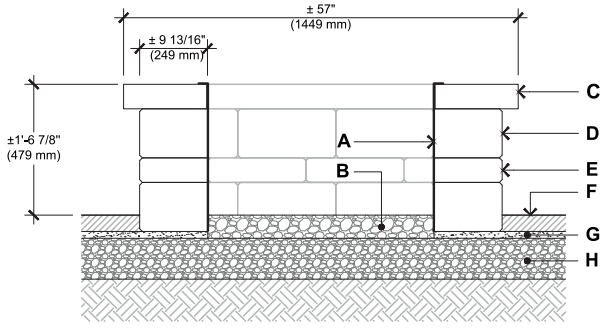
TOP



ELEVATION A



ELEVATION B



SECTION 1-1

A. STEEL BOX INSERT
B. CLEAN STONE ¾″ (20 mm), 4″ (100 mm) THICK
C. RAFFINATO CAP 90 mm (PRE-CUT)
D. RAFFINATO 180 mm CORNER BLOCK
E. RAFFINATO 90 mm CORNER BLOCK
F. TECHO-BLOC PAVERS OR SLABS
G. SETTING BED 1″ (25 mm)
H. COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)

QUANTITY OF MATERIALS REQUIRED

- Raffinato cap 90 mm: **8**
- Raffinato 90 mm corner block: **10**
- Raffinato 180 mm corner block: **20**

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

Consult our Installation Guide in our website for a detail step by step installation.

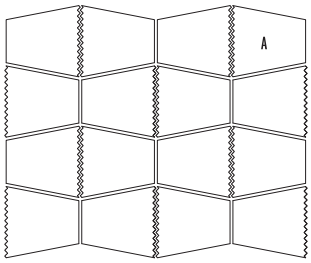
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



VALENCIA

DESCRIPTION: Fire pit **TEXTURE:** Split Face and Aged

PALLET OVERVIEW



D TECHO-BLOC WARRANTY APPLIES TO BRANDON STONES
THE WARRANTY **DOES NOT APPLY** TO ACCESSORY KIT

NOTES

A Spark screen should always cover the fire bowl when the fireplace is in use.

Insert sold separately. Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit. The firepit is not designed for large fires. Fire should be contained at least 6" away from the firepit wall blocks. Overheating could lead to heat damage to the firepit components.

OPTIONS AND ACCESORIES ARE SOLD SEPARATELY.

See 120 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**80 units**	80 units
Approx. Weight	1 557 lbs	706 kg
Height	14 ¾ in	375 mm
Exterior Diameter	48 15⁄16 in	1 243 mm
Interior Diameter	29 ⅛ in	740 mm
Number of rows	5	



A



Unit dimensions	in	mm	Units/pallet
Height	2 15⁄16	75	80 units
Depth	9 13⁄16	250	
Length	9 ¾	247	

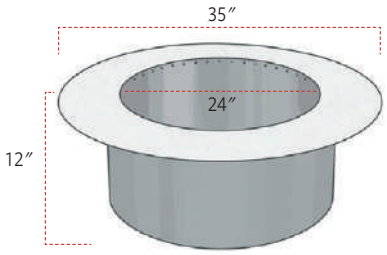
Options and accesories (sold separately)

Sleeve Insert

Wood firepit



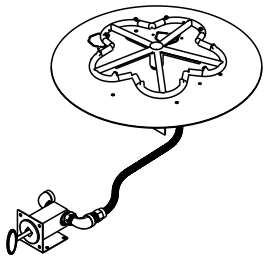
Smokeless Insert





Burners and Accessories

HPC Burners
Features:
Natural Gas or Liquid Propane
Standard BTU: 65K
Push button ignition
Includes:
Stainless steel burner with aluminum pan, mounting brackets, Dante valve with push-button ignition, vents, lava rock and stainless steel cover.



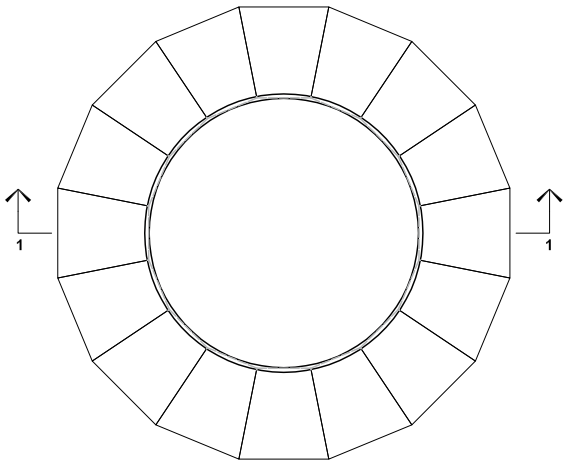
Grilling System Outpost ™
Only for Smokeless inserts



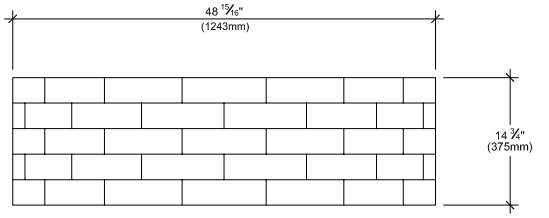
Transforms fire pit into wood-fired grill.
Weight: 12 lbs. 9 oz.
Diameter: 22 inches

INSTALLATION GUIDE

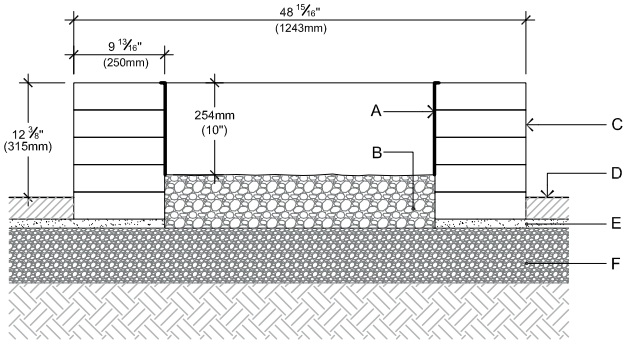
VALENCIA FIRE PIT (KIT)



TOP VIEW



ELEVATION A



SECTION 1-1

A. STEEL BOX INSERT
B. CLEAN STONE ¾″ (20 mm), 6″ (150 mm) THICK
C. VALENCIA BLOCK
D. TECHO-BLOC PAVERS OR SLABS
E. SETTING BED 1″ (25 mm)
F. COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)

QUANTITY OF MATERIALS REQUIRED

- Valencia block: **80**

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

Consult our Installation Guide in our website for a detail step by step installation.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

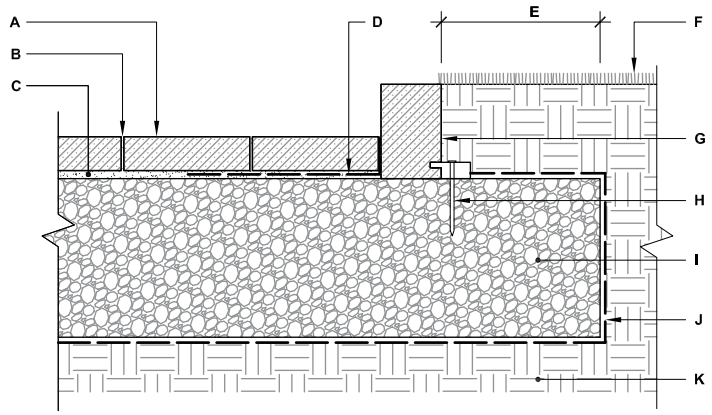
EDGES

EDGES & BORDERS



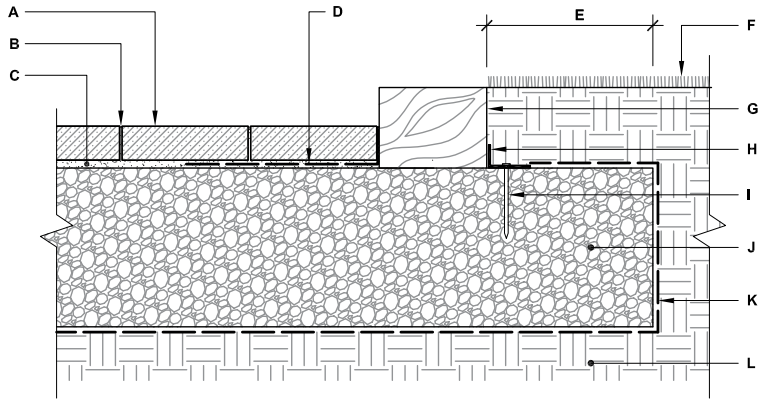
INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT



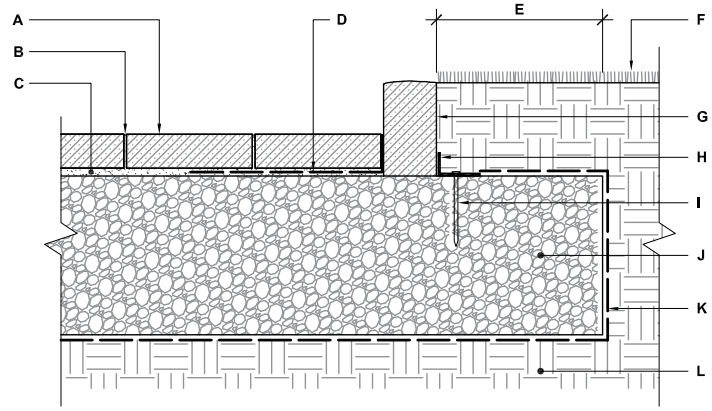
- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 2 ⅜″ (60 mm) THICK MIN.
- **B.** FLEXLOCK POLYMERIC SAND JOINT
- **C.** SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
- **D.** GEOTEXTILE 12″ (300 mm) WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC AVIGNON EDGE
- **H.** NAIL
- **I.** COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)
- **J.** GEOTEXTILE
- **K.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH AVIGNON EDGE



- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 2 ⅜″ (60 mm) THICK MIN.
- **B.** FLEXLOCK POLYMERIC SAND JOINT
- **C.** SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
- **D.** GEOTEXTILE 12″ (300 mm) WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC BOREALIS EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)
- **K.** GEOTEXTILE
- **L.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH BOREALIS EDGE



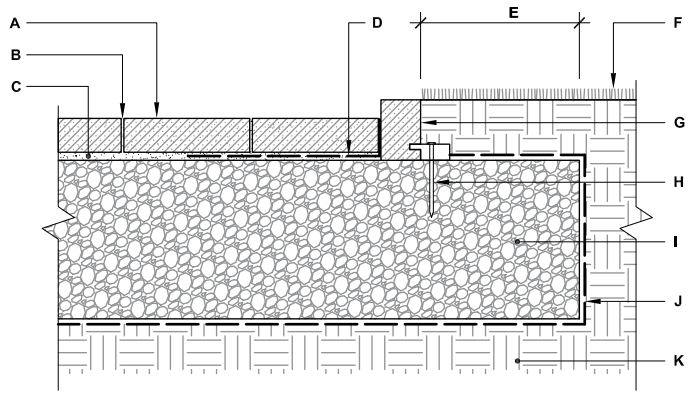
- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 2 ⅜″ (60 mm) THICK MIN.
- **B.** FLEXLOCK POLYMERIC SAND JOINT
- **C.** SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
- **D.** GEOTEXTILE 12″ (300 mm) WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC BRANDON EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)
- **K.** GEOTEXTILE
- **L.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH BRANDON EDGE

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

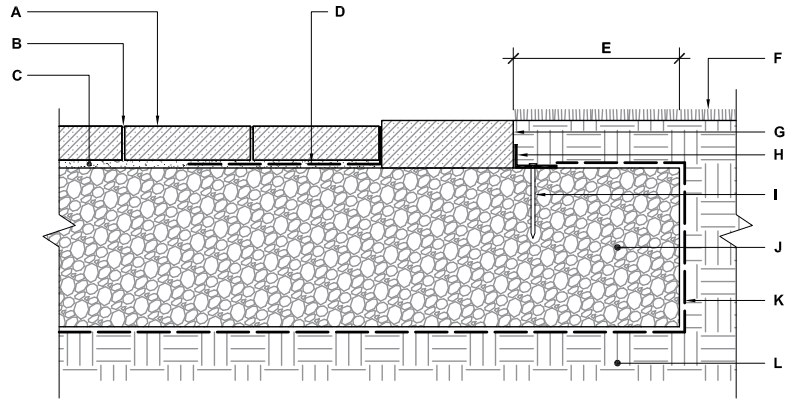
INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT



TYPICAL PAVER CROSS SECTION WITH PIETRA EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 2 3/8″ (60 mm) THICK MIN.
- **B.** FLEXLOCK POLYMERIC SAND JOINT
- **C.** SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
- **D.** GEOTEXTILE 12″ (300 mm) WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC PIETRA EDGE
- **H.** NAIL
- **I.** COMPACTED GRANULAR BASE 0-3/4″ (0-20 mm)
- **J.** GEOTEXTILE
- **K.** SUBGRADE

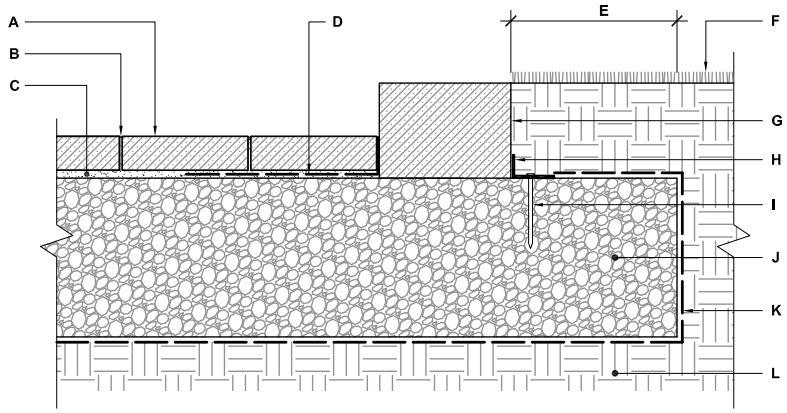


TYPICAL PAVER CROSS SECTION WITH RAFFINATO 90 mm EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 2 3/8″ (60 mm) THICK MIN.
- **B.** FLEXLOCK POLYMERIC SAND JOINT
- **C.** SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
- **D.** GEOTEXTILE 12″ (300 mm) WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC RAFFINATO 90 mm EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-3/4″ (0-20 mm)
- **K.** GEOTEXTILE
- **L.** SUBGRADE

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

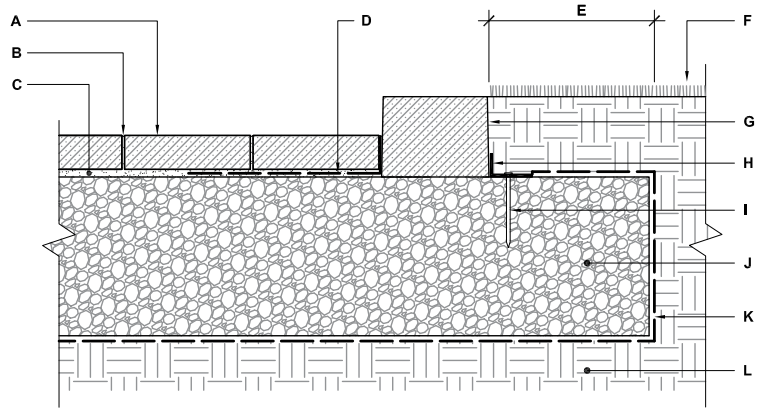
INSTALLATION GUIDE



A. TECHO-BLOC PRECAST CONCRETE PAVER 2 3/8″ (60 mm) THICK MIN.
B. FLEXLOCK POLYMERIC SAND JOINT
C. SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
D. GEOTEXTILE 12″ (300 mm) WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. TECHO-BLOC RAFFINATO 180 mm EDGE
H. PLASTIC EDGE
I. NAIL
J. COMPACTED GRANULAR BASE 0-3/4″ (0-20 mm)
K. GEOTEXTILE
L. SUBGRADE

TYPICAL PAVER CROSS SECTION WITH RAFFINATO 180 mm EDGE

INTERLOCKING CONCRETE PAVEMENT



A. TECHO-BLOC PRECAST CONCRETE PAVER 2 3/8″ (60 mm) THICK MIN.
B. FLEXLOCK POLYMERIC SAND JOINT
C. SAND SETTING BED (CONCRETE SAND) 1″ (25 mm)
D. GEOTEXTILE 12″ (300 mm) WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. TECHO-BLOC RÖCKA EDGE
H. PLASTIC EDGE
I. NAIL
J. COMPACTED GRANULAR BASE 0-3/4″ (0-20 mm)
K. GEOTEXTILE
L. SUBGRADE

TYPICAL PAVER CROSS SECTION WITH RÖCKA EDGE

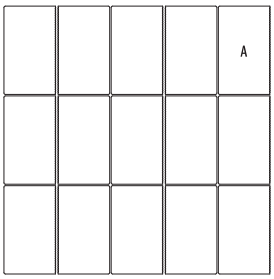
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



AVIGNON

DESCRIPTION: Edge **TEXTURE:** Chiseled top and one sculpted side

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**90 units**	90 units
Linear coverage per pallet	90 lin. ft	27.44 lin. m
Approx. Weight	2 785 lbs	1 263 kg
Number of rows	6	
Linear coverage per row	15 lin. ft	4.57 lin. m
	1 lin. ft = 1 unit	1 lin. m = 3.28 units



A



Unit dimensions	in	mm	Units/pallet
Height	7	178	90 units
Depth	4 ½	114	
Length	12	305	

D

NOTES

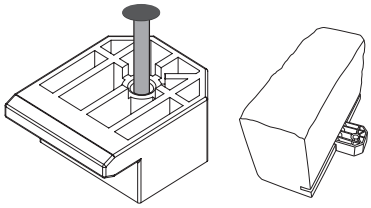
The Avignon and Pietra edges come with a plastic edge restraint system that can receive an 8″ or 10″ (200 mm or 250 mm) nail.

The edge restraint is easily inserted in the back groove of the block and secures the block in place with the use of an 8″ or 10″ (200 mm or 250 mm) nail. Nail is not included.

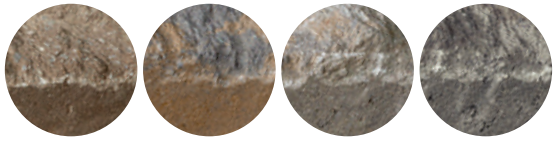
See 122 for more technical information.

PLASTIC EDGE RESTRAINT SYSTEM.

(NAIL IS NOT INCLUDED)



Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey





BOREALIS

DESCRIPTION: Edge **TEXTURE:** Wood

PALLET OVERVIEW

A

NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**32 ft²**	2.97 m²
Linear coverage per pallet	64 lin. ft	19.51 lin. m
Approx. Weight	3 042 lbs	1 380 kg
Number of rows	4	
Coverage per row	8 ft²	0.74 m²
Coverage per unit	2 ft²	0.19 m²
Linear coverage per unit	4 lin. ft	1.22 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	16 units
Depth 1	7 ¾	197	
Depth 2	8	203	
Length	48	1 219	



Smoked Pine



Hazelnut Brandy

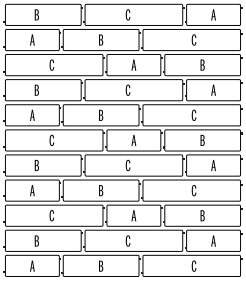




BRANDON

DESCRIPTION: Edge **TEXTURE:** Slate

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**140.75 lin. ft**	42.90 lin. m
Approx. Weight	3 513 lbs	1 593 kg
Number of rows	4	
Linear coverage per row	35.19 lin. ft	10.73 lin. m



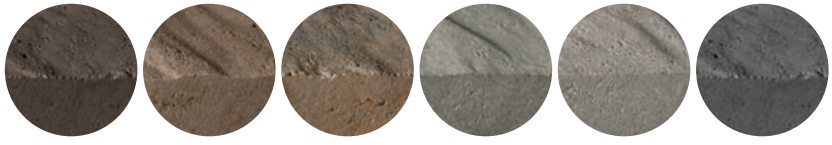
	Unit dimensions	in	mm	Units/pallet
A	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	8 7/8	225	
B	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	12 13/16	325	
C	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	16 3/4	425	

D

NOTES

See 122 for more technical information.

Chocolate Brown | Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey | Onyx Black

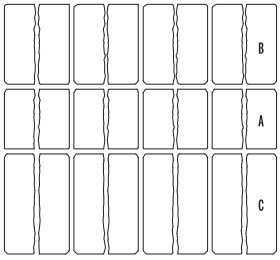




PIETRA

DESCRIPTION: Edge **TEXTURE:** Split Face and Aged

PALLET OVERVIEW



D

NOTES

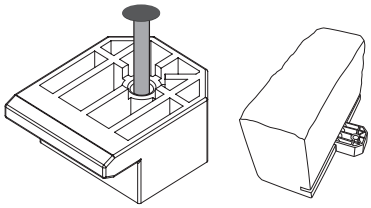
The Avignon and Pietra edges come with a plastic edge restraint system that can receive an 8″ or 10″ (200 mm or 250 mm) nail.

The edge restraint is easily inserted in the back groove of the block and secures the block in place with the use of an 8″ or 10″ (200 mm or 250 mm) nail. Nail is not included.

See 122 for more technical information.

PLASTIC EDGE RESTRAINT SYSTEM.

(Nail is not included)



Specifications per pallet	Imperial	Metric
Cubing	**96 lin. ft**	29.20 lin. m
Approx. Weight	1 277 lbs	579 kg
Number of rows	4	
Linear coverage per row	24 lin. ft	7.32 lin. m
(Average)	1 lin. ft = 1 unit	1 lin. m = 3.28 units



	Unit dimensions	in	mm	Units/pallet
A	Height	4 ½	114	32 units
	Depth	3 ⅛	80	
	Length	8 ⅞	225	
B	Height	4 ½	114	32 units
	Depth	3 ⅛	80	
	Length	11 $^{13}/_{16}$	300	
C	Height	4 ½	114	32 units
	Depth	3 ⅛	80	
	Length	14 ¾	375	







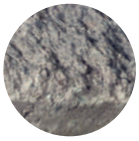
Chestnut Brown



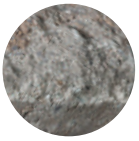
Sandlewood



Shale Grey



Champlain Grey

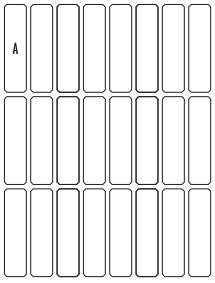




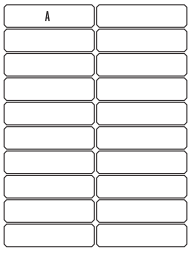
RAFFINATO 90 mm

DESCRIPTION: Edges **TEXTURE:** Smooth or Polished

PALLET OVERVIEW - SMOOTH



PALLET OVERVIEW - POLISHED



Specifications per pallet		Imperial	Metric
90 mm SMOOTH	Cubing	**48 units**	48 units
	Approx. Weight	1 548 lbs	702 kg
	Number of rows	2	



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	48 units
Depth	9 13/16	249	
Length	14 1/8	359	

Specifications per pallet		Imperial	Metric
90 mm POLISHED	Cubing	**40 units**	40 units
	Approx. Weight	1 559 lbs	707 kg
	Number of rows	2	



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	40 units
Depth	9 3/4	248	
Length	14 1/16	357	

D

NOTES

See 122 for more technical information.

Polished is made-to-order, with a minimum order of 500 sq. ft. of Raffinato Polished wall. Deposit required.

*Shale Grey is only available in Canada.

Beige Cream Smooth



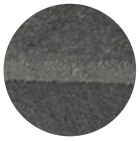
Greyed Nickel Smooth



Shale Grey* Smooth



Onyx Black Smooth



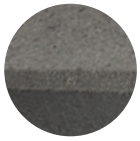
Beige Cream Polished



Greyed Nickel Polished



Onyx Black Polished

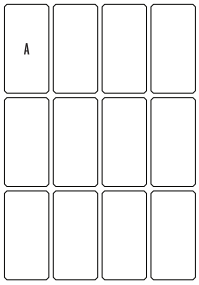




RAFFINATO 180 mm

DESCRIPTION: Edges **TEXTURE:** Smooth or Polished

PALLET OVERVIEW - 180 MM SMOOTH



Specifications per pallet		Imperial	Metric
180 mm SMOOTH	Cubing	**24 units**	24 units
	Approx. Weight	1 529 lbs	694 kg
	Number of rows	2	

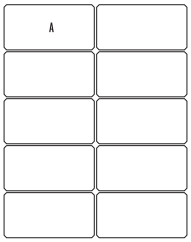


A



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	24 units
Depth	9 13/16	249	
Length	14 1/8	359	

PALLET OVERVIEW - 180 MM POLISHED



Specifications per pallet		Imperial	Metric
180 mm POLISHED	Cubing	**20 units**	20 units
	Approx. Weight	1 557 lbs	706 kg
	Number of rows	2	



A



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	20 units
Depth	9 3/4	248	
Length	14 1/16	357	

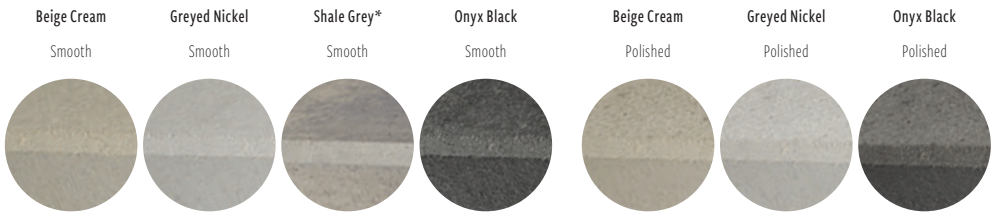
D

NOTES

See 122 for more technical information.

Polished is made-to-order, with a minimum order of 500 sq. ft. of Raffinato Polished wall. Deposit required.

*Shale Grey is only available in Canada.

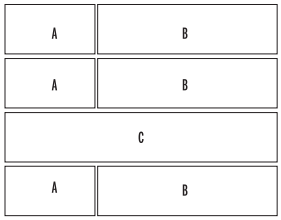




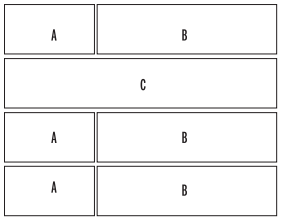
RÖCKA

DESCRIPTION: Edge **TEXTURE:** Natural stone (Fossil stone)

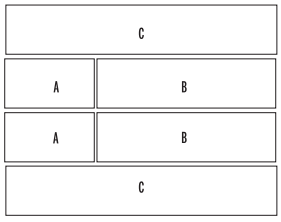
PALLET OVERVIEW - ROW 1



PALLET OVERVIEW - ROW 2



PALLET OVERVIEW - ROW 3



Specifications per pallet		Imperial	Metric
Cubing		**19.88 ft²**	1.85 m²
Approx. Weight		1 860 lbs	844 kg
Number of rows		3	
Coverage per row		6.63 ft²	0.62 m²
Coverage per unit	A	0.55 ft²	0.05 m²
	B	1.10 ft²	0.10 m²
	B	1.66 ft²	0.15 m²
Linear coverage per pallet		39.75 lin. ft	12.12 lin. m



A	Unit dimensions	in	mm	Units/pallet
	Height	6	152	8 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	13 ¼	337	

B				
	Height	6	152	8 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	26 ½	673	

C				
	Height	6	152	4 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	39 ¾	1 010	



NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

NOTES

See 122 for more technical information.

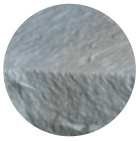
Chocolate Brown



Rock Garden Brown



Riviera



WALLS

WALLS, PILLARS & PLANTERS



PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS		ASTM C 1372	TECHO-BLOC
Compressive strength		3 000 psi [21 MPa] min.	5 050 psi [35 MPa] min.
Water absorption		13 lb/ft³ [208 kg/m³] max	9 lb/ft³ [144 kg/m³] max.
Freeze-thaw durability		Mass loss (max.): 1% at 100 cycles, or Mass loss (max.): 1.5% at 150 cycles	Mass loss (max.): 1% at 100 cycles, or Mass loss (max.): 1.5% at 150 cycles
Dimension tolerance[1]	length	± 1/8″ [3.2 mm]	± 1/8″ [3.2 mm]
	width	± 1/8″ [3.2 mm]	± 1/8″ [3.2 mm]
	height	± 1/8″ [3.2 mm]	± 1/8″ [3.2 mm]

Notes :
1. The dimension tolerance is not applicable to split facings or other architectural finish.
2. The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3/16″ (5 mm) for height and ± ½″ (13 mm) for length and width.
3. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall. Stonedge collection of wet cast wall units include, but are not limited to, the following: Borealis, Prescott, Röcka and Travertina Raw wall units.

APPLICATION CHART

Product	Depth (Nominal) mm	Depth (Nominal) in.	Batter	Connector Type	Alignment: Straight Wall	Alignment: Curved Wall	Retaining Walls: Typical Height Range[3]: Landscape up to 1.5-4 ft	Retaining Walls: Typical Height Range[3]: Midsize up to 8-10 ft	Retaining Walls: Typical Height Range[3]: Heavy Duty 10 ft and above	Retaining Walls: Gravity: Single Depth	Retaining Walls: Gravity: Multi Depth	Retaining Walls: Geogrid Reinforced	Retaining Walls: Pervious Concrete Backfill	Freestanding Walls	Pillars	Steps	Outdoor Fire Features: Fire Pit	Outdoor Fire Features: Grill Island
Borealis	152	6	0°[1],[2]	-	X		X			X				X			X[5]	X[5]
Brandon	250	9 13/16	0°; 4.4°[1]	HDPE Vertical Key (Short)	X	X		X		X		X	X	X	X[4]	X	X[6]	X[5]
Fascia[8]	263	10 3/8	0°; 5.3°[1]	HDPE Horizontal Key & Front Lip	X		X			X		X	X	X	X	X		
G-Force	290	11 7/16	3.9°	HDPE Vertical Key (Long)	X	X			X	X		X	X		X[4]	X	X[5]	
Graphix	205 - 280	8 1/16 - 11	Variable	HDPE Horizontal Key	X			X		X		X	X	X	X	X		
Mini-Creta	250	9 13/16	0°; 5.3°[1]	HDPE Horizontal Key	X	X		X		X		X	X	X	X[4]	X	X[5]	X[5]
Prescott	250	9 13/16	0°; 4.5°[1]	HDPE Vertical Key (Short)	X	X	X			X		X		X	X[4]	X	X[6]	
Raffinato	249	9 13/16	0°; 4.4°[1]	HDPE Vertical Key (Short)	X	X		X		X		X	X	X	X[4]	X	X[6]	X[5]
Röcka	203	8	0°[1],[2]	-	X		X			X				X			X[5]	X[5]
Semma	279	11	0°; 7.6°[1]	HDPE Horizontal Key	X	X			X	X		X	X	X	X[4]	X	X[5]	
Skyscraper[9]	590 - 1220	23 1/4 - 48 1/16	0.8°; 12.7°	Precast Concrete Key	X	X			X		X							
Travertina Raw	202	7 15/16	0°; 5.2°[1]	HDPE Vertical Key (Short)	X		X			X				X	X[4]	X		

[1] For 0° degree (vertical) batter retaining walls, it is recommended a slight positive batter achieved by tilting the top surface of the leveling pad from front to back. This will accommodate forward rotation of the wall during or after installation.

[2] Alternatively to tilting the leveling pad, an offset of 1/4" (6 mm) min. per row could be used instead.

[3] These typical height ranges may require geogrid. Contact our Technical Support for assistance.

[4] Available Corner/Pillar units, sold separately.

[5] Installation drawing available.

[6] Not pre-assembled kits available.

[7] Pre-assembled kits available.

[8] Fascia Wall product includes Iconic and Rosemont Fascia wall collections.

[9] Mechanical installation required.

INSTALLATION GUIDE

GRAVITY RETAINING WALL CHARACTERISTICS - RESIDENTIAL

The chart below provides general information for residential garden walls based on optimal conditions (see Note 2 below). Contact our Technical Service department if your project requires a higher wall, conditions are not optimal or for commercial applications.

WALL PRODUCT	MAXIMUM TOTAL HEIGHT (INCLUDING EMBEDMENT) WITHOUT SURCHARGE OR SLOPE												MINIMUM DRAINAGE COLUMN WIDTH		MINIMUM RADIUS	
	INCLINED						VERTICAL									
	ANGLE	SETBACK		HEIGHT			ANGLE	SETBACK		HEIGHT						
	(°)	mm	in.	ROWS	mm	in.	(°)	mm	in.	ROWS	mm	in.	mm	in.	m	FT
BOREALIS	-	-	-	-	-	-	0.0	0.0	0	3	457	18	400	16	-	-
BRANDON 90 mm	4.4	7.0	1/4	8	720	28	0.0	0.0	0	6	540	21	350	14	2.3	7'-6"
BRANDON 180 mm	4.4	14.0	9/16	4	720	28	0.0	0.0	0	3	540	21	350	14	2.3	7'-6"
FASCIA[4]	5.3	14.0	9/16	5	750	30	0.0	0.0	0	4	600	24	350	14	-	-
GRAPHIX	VARIABLE			8	600	24	-	-	-	-	-	-	350	14	-	-
G FORCE	3.9	14.0	9/16	4	813	32	-	-	-	-	-	-	300	12	3.0	9'-10"
MINI-CRETA 3"	5.3	7.0	1/4	10	750	30	0.0	0.0	0	8	600	24	350	14	2.1	7'-0"
MINI-CRETA 6"	5.3	14.0	9/16	5	750	30	0.0	0.0	0	4	600	24	350	14	2.1	7'-0"
PRESCOTT 2.25"	4.5	4.5	3/16	14	800	32	0.0	0.0	0	12	686	27	350	14	1.6	5'-2"
PRESCOTT 4.5"	4.5	9.0	3/8	7	800	32	0.0	0.0	0	6	686	27	350	14	1.6	5'-2"
RAFFINATO 90 mm	4.4	7.0	1/4	8	720	28	0.0	0.0	0	6	540	21	350	14	2.6	8'-6"
RAFFINATO 180 mm	4.4	14.0	9/16	4	720	28	0.0	0.0	0	3	540	21	350	14	2.6	8'-6"
RÖCKA	-	-	-	-	-	-	0.0	0.0	0	3	457	18	400	16	-	-
SEMMA	7.6	20.0	13/16	6	900	35	0.0	0.0	0	4	600	24	330	13	2.1	7'-0"
SKYSCRAPER	12.7	68.5	2 11/16	SEE SKYSCRAPER DESIGN CHART			0.8	4.5	3/16	SEE SKYSCRAPER DESIGN CHART			300	12	INSIDE CURVE 5.5 / OUTSIDE CURVE 11.0	INSIDE CURVE 18'-0" / OUTSIDE CURVE 36'-1"
TRAVERTINA RAW	5.2	14.0	9/16	5	762	30	0.0	0.0	0	4	610	24	400	16	-	-

[1] The total height does not include the cap thickness. The total height measurement refers to the vertical distance between the top of the leveling pad (aggregate base) and the top of the uppermost course.

[2] The optimal conditions assumed for the development of this chart are the following: (i) The retained soil type is granular with an internal friction angle of 36 degrees; (ii) There is no presence of load applied or slope above the wall; and (iii) An adequate drainage system is provided to the wall system.

[3] The minimum radius is measured from the center of the circle to the outer face of the wall. It corresponds to the lowest course in an internal curve and to the uppermost course in an external curve.

[4] Fascia Wall product includes Iconic and Rosemont Fascia wall collections.

INSTALLATION GUIDE

SUMMARY OF CHARACTERISTICS

Type of wall	FREESTANDING WALL						PILLARS			
	MAXIMUM EXPOSED HEIGHT [2,3]		MINIMUM WALL RADIUS [4]				MAXIMUM PERMISSIBLE HEIGHT [2,3,5]			
			inside		Outside		Exposed		Total	
	mm	in	mm	in	mm	in	mm	in	mm	in
Borealis	612	24″	-	-	-	-	-	-	-	-
Brandon 90 mm [6]	750	29 7/16″	1538	61″	1788	70″	930	36 ½″	1080	42 ½″
Brandon 180 mm [6]	750	29 7/16″	1538	61″	1788	70″	930	36 ½″	1080	42 ½″
Fascia Wall Collection [7]	600	23 ½″	-	-	-	-	750	29 7/16″	900	35 7/16″
Graphix	600	23 ½″	-	-	-	-	1050	41 ¼″	1200	47 ¼″
G Force	-	-	-	-	-	-	1069	42″	1219	48″
Mini-Creta 3″ [6]	750	29 7/16″	907	36″	1158	46″	1050	41 ¼″	1200	47 ¼″
Mini-Creta 6″ [6]	750	29 7/16″	907	36″	1158	46″	1050	41 ¼″	1200	47 ¼″
Prescott 2.25″ [6]	650	25 ½″	863	34″	1114	44″	993	39″	1143	45″
Prescott 4.5″ [6]	650	25 ½″	863	34″	1114	44″	993	39″	1143	45″
Raffinato 90 mm [6]	750	29 7/16″	2259	89″	2510	99″	930	36 ½″	1080	42 ½″
Raffinato 180 mm [6]	750	29 7/16″	2259	89″	2510	99″	930	36 ½″	1080	42 ½″
Röcka	612	24″	-	-	-	-	-	-	-	-
Semma [6]	750	29 7/16″	519	20″	807	32″	1050	41 ¼″	1200	47 ¼″
Travertina Raw [6]	612	24″	-	-	-	-	917	36″	1067	42″

[1] Vertical Retaining walls are constructed without any face inclination or setback.

[2] Heigths do not include cap thickness.

[3] - Total Height is the vertical distance measured from the top of the footing (aggregate base) to the top of the uppermost course.
- Exposed Height is the vertical distance measured from the finished grade at the bottom of the wall to the top of the uppermost course. It does not include the wall depth below grade (embedment).

[4] Freestanding Minimum Wall radius based on the shortest tapered unit.

[5] The maximum height does not necessarily correspond to the amount of blocks in a pallet.

[6] Pillar units sold separately.

[7] Fascia Wall product includes Iconic and Rosemont Fascia wall collections.

PRELIMINARY DESIGN ASSISTANCE - REQUEST FORM FOR DESIGN PROFESSIONALS, ENGINEERS AND CONTRACTORS

Techo-Bloc can help you in your preliminary design of retaining walls. However, preliminary design should only be used to assess the suitability of a wall system to a specific project or for estimating budget costs. For final construction designs, please contact a qualified engineer in your area.

Techo-Bloc Sales Representative_____ Date_____

CUSTOMER TYPE: ☐ Landscape Architect ☐ Engineer ☐ Contractor ☐ Other:_____ Are you a Techo-Pro? ☐ Yes ☐ No_____

1. GENERAL PROJECT INFORMATION

Project Name_____ Address_____

Contact_____ E-mail_____ City_____

Entreprise_____ Telephone_____ State/Province_____

Postal Code_____

2. PROJECT SPECIFICATIONS

Type: ☐ Industrial ☐ Commercial ☐ Institutional ☐ Residential Information date required_____ Units (metric or imperial)_____

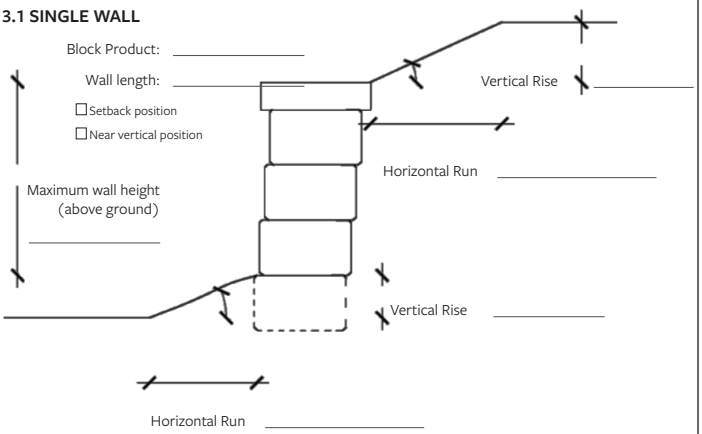
2.1 SPECIAL CONSIDERATIONS

Maximum available space behind wall:

Maximum required freestanding wall portion:

3. GENERAL INFORMATION ON WALLS

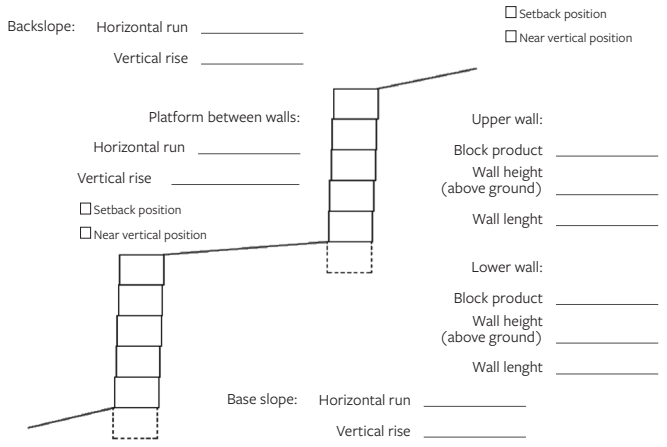
3.1 SINGLE WALL



*Include only the Retaining portion of the wall. Freestanding portion must be included in section 2.1 under Project Specification.

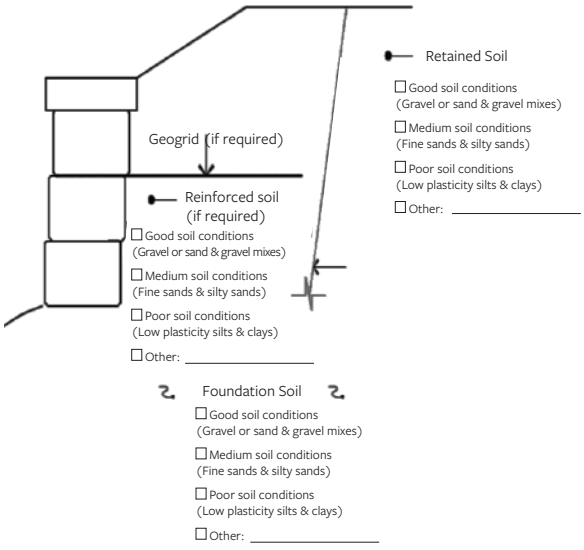
**If a grading plan is available, include it with this request (drawing should indicate the location of the wall, grade lines and loads). Otherwise clear and detailed sketches must be provided.

3.2 TIERED WALL



4. TYPE OF SOIL

If a soil report is available, attach it to this request.



5. SURCHARGE ABOVE WALL

TYPE OF SURCHARGE (LOAD)	DISTANCE TO WALL
☐ ROUTE	
☐ PARKING / ALLEY FOR HEAVY VEHICULES	
☐ PARKING / ALLEY FOR LIGHT VEHICULES	
☐ SWIMMING POOL	
☐ PAVED SURFACE	
☐ LAWN	
☐ OTHER	

Return this request by one of the following methods: Fax 450 656-1983 | Email walls@techo-bloc.com | Mail Techo-Bloc - 5255 Albert-Millichamp Street, Saint-Hubert, QC J3Y 8Z8

COMPATIBILITY CHART

Walls & Pillars

Caps

	Architectural cap	Brandon cap	Bullnose	Bullnose Grande	Graphix cap	Limestone	Pacific cap	Piedimonte	Piedimonte 28″×28″	Portofino	Raffinato 60 mm	Raffinato 90 mm	Sandstone	Sandstone Bullnose	Travertina Raw14″×28″	York	York 28″×28″	York 32″×32″
Borealis (does not require a cap)																		
Brandon 90 & 180 mm		x	x	x		x	x	x		x	x	x	x	x	x	x		
Brandon 90 & 180 mm pillar						x			x		x	x	x		x		x	
Fascia Wall Collection - single-sided	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		
Fascia Wall Collection - double-sided										x								
G-Force					x	x		x			x	x	x		x			
Graphix					x	x		x			x	x	x		x			
Mini-Creta Collection	x	x	x	x		x	x	x		x	x	x	x	x	x	x		
Mini-Creta Pillar 24″ Collection						x			x		x	x	x		x		x	
Prescott Collection						x		x		x	x	x	x		x	x		
Prescott Pillar Collection						x			x		x	x	x		x		x	
Raffinato Collection				x	x	x		x			x	x	x	x	x			
Raffinato Pillar Collection						x			x		x	x	x		x			
Röcka (does not require a cap)																		
Semma	x	x	x		x	x	x	x		x	x	x	x		x	x		
Semma Pillar						x					x		x		x			x
Skyscraper						x					x	x	x					
Travertina Raw	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		
Travertina Raw pillar						x					x	x	x		x		x	

NOTE: The combinations shown in this chart are not complete. Other possible combinations exist.

Applications

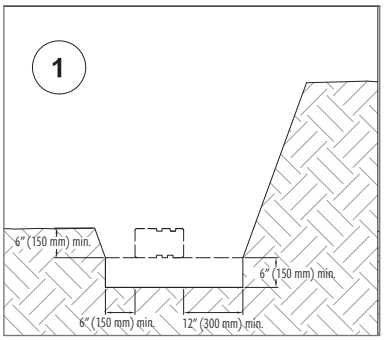
Caps

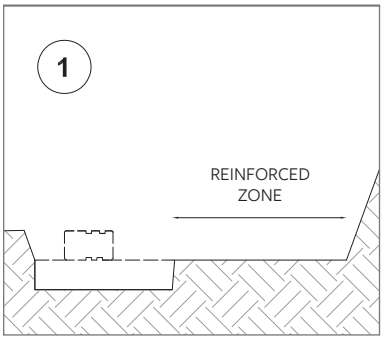
	Architectural cap	Bali Travertina Raw	Brandon cap	Bullnose	Bullnose Grande	Graphix cap	Limestone	Pacific cap	Piedimonte 14″x30″	Piedimonte 28″x28″	Portofino	Raffinato 60 mm	Raffinato 90 mm	Sandstone	Sandstone Bullnose	Travertina Raw 14″x28″	York wall caps 16″, 32″, 48″	York 14″x48″	York 24″x36″	York 28″x28″	York 32″x32″	Blu 45 mm	Venetian
Step	x		x	x	x	x	x		x		x	x	x	x	x	x	x	x					
Concrete & step overlay system								x														x	x
Pool coping		x		x	x		x	x	x		x	x	x	x	x	x	x						
Wall single-sided	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x					
Wall double-sided	x					x	x		x		x	x	x	x		x	x	x					
Counter top									x	x							x		x	x	x		
Pillar										x		x				x				x	x		

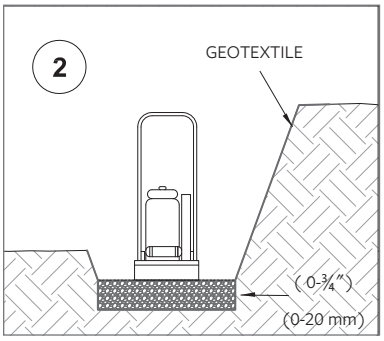
INSTALLATION GUIDE

RETAINING WALLS

Installation outline







01 EXCAVATION

A. Check the location of existing structures and utilities before starting the excavation.

B. Dig out a trench. Its depth should be calculated according to the thickness of the leveling pad and the burial depth of the wall.

C. Plan for a thickness of at least 6″ (150 mm) for the leveling pad and consider that at least 10% of the height of the wall should be buried in the ground. In all cases, the wall must be buried no less than 6″ (150 mm) deep.

D. In determining the width of the trench, allow for a space of at least 6″ (150 mm) at the front of the wall and 12″ (300 mm) at the back. Compact and level the excavation base.

FOR GEOGRID REINFORCED RETAINING WALLS

The excavation must also take into account the legth of geogrid.

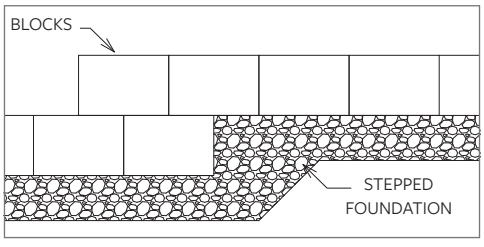
02 FOUNDATION

A. Cover the base and back of the trench with a geotextile. Extend the geotextile towards the back of the excavation and eventually above the drainage fill once it is in place close to the top of the wall.

B. Next, spread the 0-¾″ (0-20 mm) stone in the trench and compact using a vibratory plate or jumping jack, ensuring that the surface is level. The compacted leveling pad must be at least 6″ (150 mm) thick.

NOTE FOR STEPPED FOUNDATION

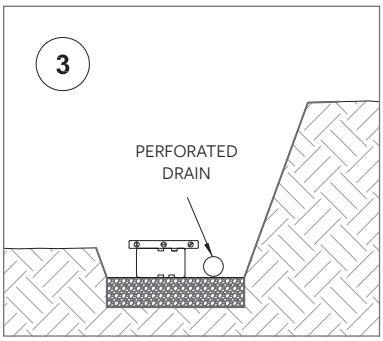
A wall built on an incline requires stepped foundations. For steep inclines, several steps may be required. Construction should start at the lowest level. Each of the steps must follow a level horizontal path and the vertical distance separating the successive steps must equal the height of a block.

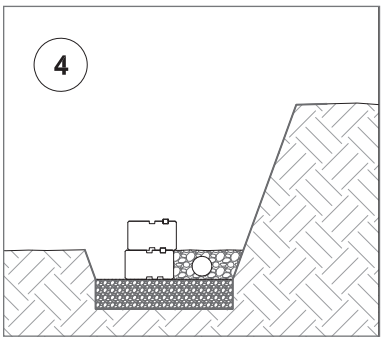


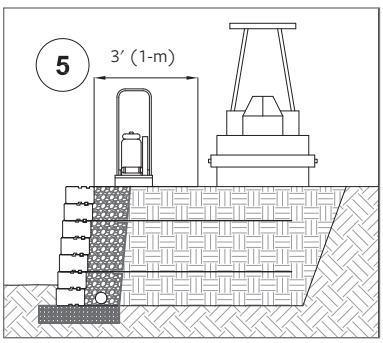
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

RETAINING WALLS







03 BUILDING THE FIRST COURSE

A. Using blocks of the same height, place the first course on the compacted leveling pad according to the predetermined layout. Check the alignment and leveling in all directions and make sure that all the blocks are in full contact with the leveling pad and properly supported.

B. Place the exposed surfaces of the blocks side by side. There must be no space between the exposed faces of adjacent blocks.

C. At the back of the wall and on the compacted leveling pad, lay a 4″ (100 mm) diameter perforated drain. Connect this drain to the existing drainage system so that it clears the water accumulated behind the wall.

04 BACKFILLING

Backfill at the rear of the wall and the space between the back of the blocks with ¾″ (20 mm) clean stone. Use a minimum of 12" (300 mm) of clean stone behind the wall unit, but not less than a minimum of 24" (600 mm) from the face of the wall. Level and settle the clean stone. Any cavities in the blocks must also be filled with clean stone.

05 SUBSEQUENT COURSES

A. Clean the top of each block before laying the next course. Depending on the type of block, install the connectors on the extremity of each block.

B. Lay the subsequent courses, backfilling at the rear of the wall every 8″ (200 mm maximum, using the same method outlined in step 4.

C. Make sure the subsequent courses are laid such that the vertical seams are aligned with the blocks below.

FOR GEOGRID REINFORCED RETAINING WALLS

Where geogrids are to be used, cover the clean stone with a geotextile.
Select the geogrid according to the type, level and appropriate length. Position the geogrid according to the main reinforcement direction perpendicular to the wall. The geogrid must be continuous all along its embedment length. Splicing of the geogrid in the main reinforcement direction is not permitted. The geogrid must be installed horizontally over the compacted backfill and the previous course of blocks. Fix the connectors on the geogrid and lay the next course of blocks. Pull on the back of the geogrid and maintain its tension by stakes or pins. Repeat with a new section of geotextile and place the reinforced backfill directly behind the drainage fill. Fill and compact up to the level of the blocks.

Heavy equipment must not be used less than 3′ (1-m) behind the blocks. Construction equipment must not drive directly over the geogrid.
Repeat the various installation steps.

06 FINISHING

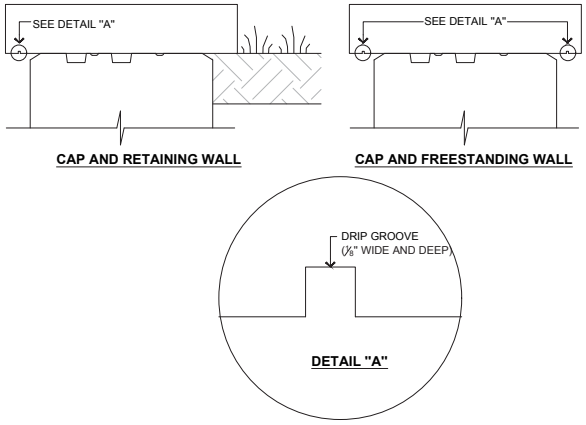
Position the course of coping stones (if applicable) or the final course of blocks to complete the wall. The coping stones or final course of blocks must be fixed to the subjacent blocks using concrete adhesive and there must be no space between the blocks.

INSTALLATION GUIDE

RETAINING WALLS

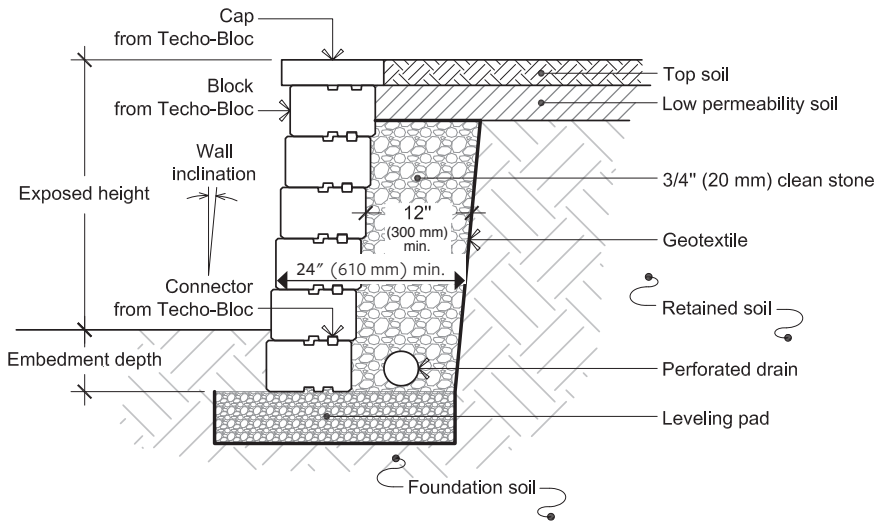
CAP UNIT – DRIP GROOVE

While optional, drip groove applied to the underside of wall cap units is beneficial to reduce the potential of leaving water marks and stains on the wall surface (retaining or freestanding wall). Rain water will run underneath the cap unit, reach the drip groove and fall directly to the ground, instead of continuing to run underneath the cap and down the wall.



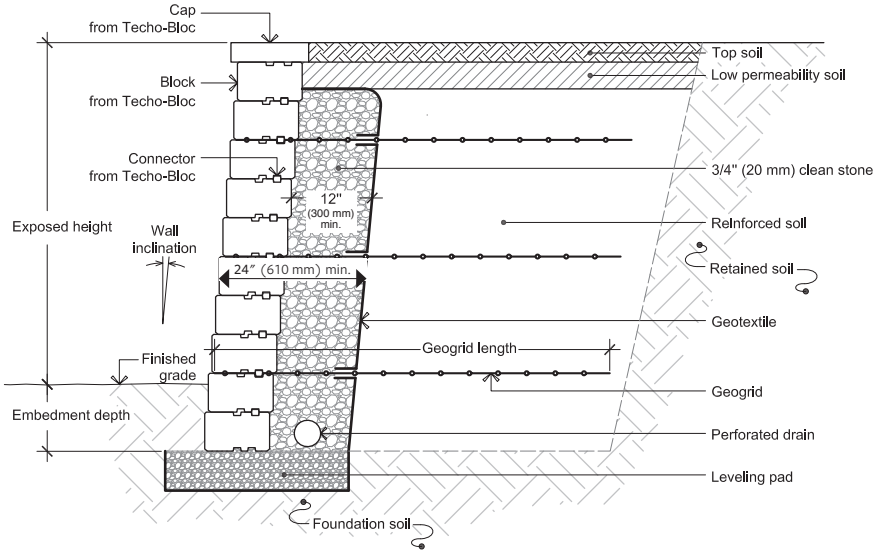
GRAVITY WALL

Typical cross section



GEOGRID REINFORCED WALL

Typical cross section



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

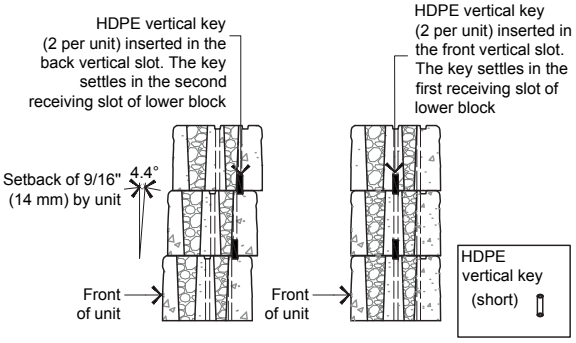
INSTALLATION GUIDE

RETAINING WALLS

Anchoring systems

BRANDON 180 mm

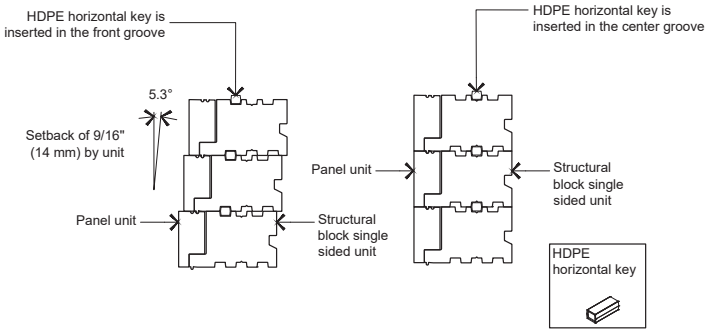
INCLINED WALL | **VERTICAL WALL**



BRANDON 180 mm IS EQUIVALENT TO TWICE THE BRANDON 90 mm

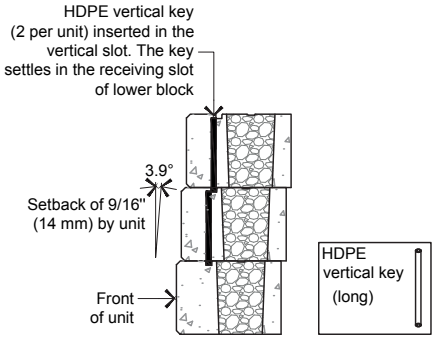
FASCIA WALL COLLECTION

INCLINED WALL | **VERTICAL WALL**



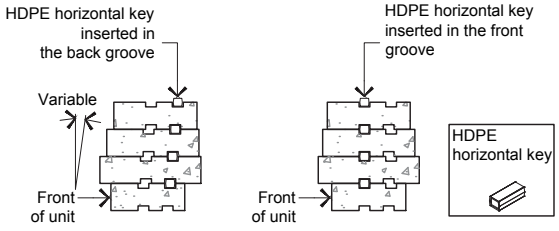
G-FORCE

INCLINED WALL



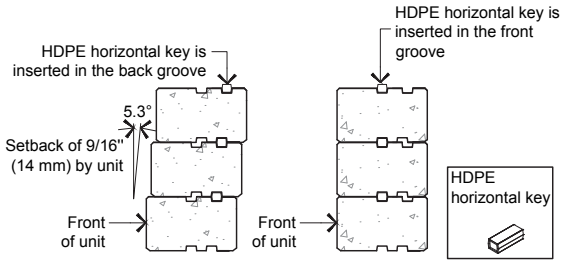
GRAPHIX

RETAINING WALL | **FREESTANDING WALL**



MINI-CRETA 6"

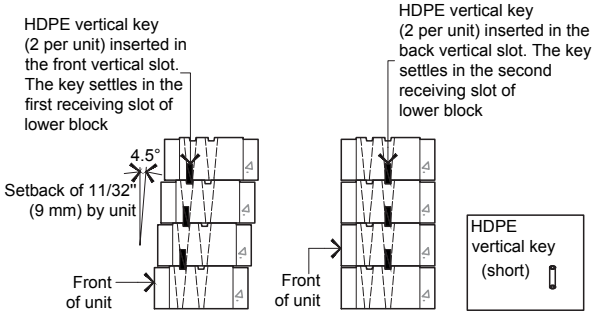
INCLINED WALL | **VERTICAL WALL**



MINI-CRETA 6" IS EQUIVALENT TO TWICE THE MINI-CRETA 3"

PRESCOTT 4.5"

INCLINED WALL | **VERTICAL WALL**



PRESCOTT 4.5" IS EQUIVALENT TO TWICE THE PRESCOTT 2.25"

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

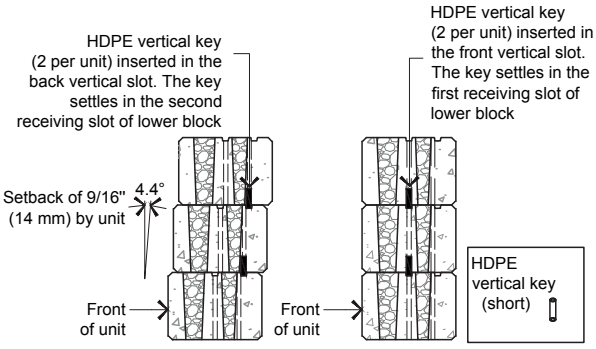
INSTALLATION GUIDE

RETAINING WALLS

Anchoring systems

RAFFINATO 180 mm

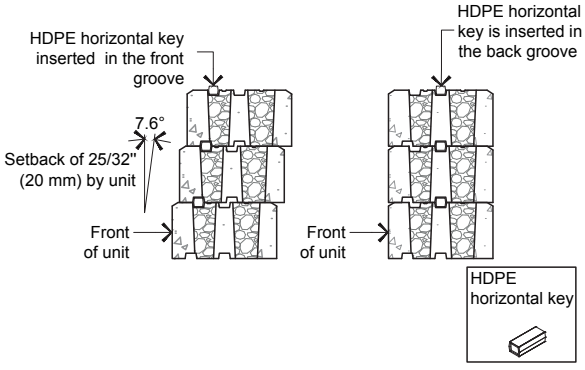
INCLINED WALL	VERTICAL WALL



RAFFINATO 180 mm IS EQUIVALENT TO TWICE THE RAFFINATO 90 mm

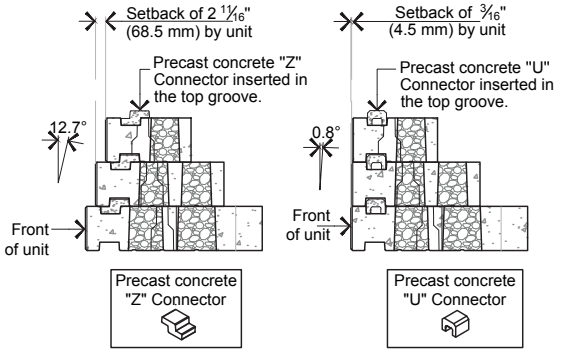
SEMMA

INCLINED WALL	VERTICAL WALL



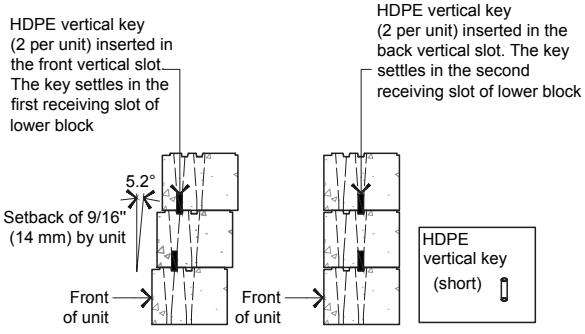
SKYSCRAPER

INCLINED WALL	VERTICAL WALL



TRAVERTINA RAW

INCLINED WALL	VERTICAL WALL



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

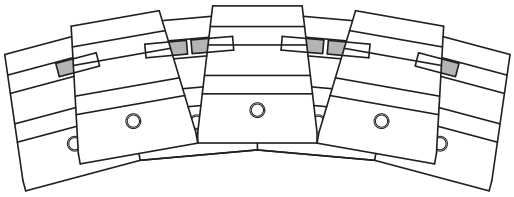
INSTALLATION GUIDE

RETAINING WALLS

Anchoring system | Connectors in curved wall application

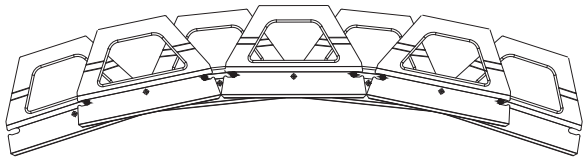
HDPE Horizontal Key

When creating internal curves and the HDPE horizontal keys are in the back groove, two connectors must be installed on each block as illustrated.



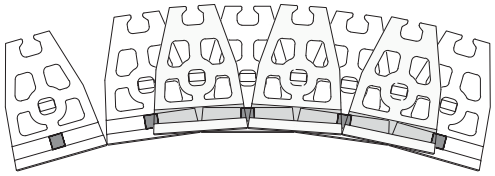
HDPE Vertical Key

When creating curves using HDPE vertical keys adjust placement in field to acheive desired curve.



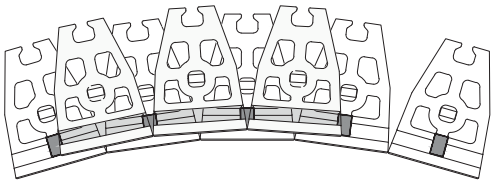
Precast concrete"U" Connector

When creating internal curves with the precast concrete "U" connector, place one connector on top center of each lower course block and adjust placement in field to achieve desired curve.



Precast concrete"Z" Connector

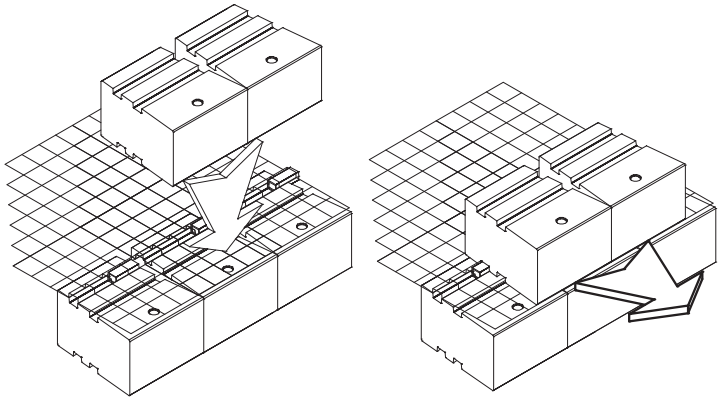
When creating internal curves with the precast concrete "Z" connector, place one connector on top center of each lower course block and adjust placement in field to achieve desired curve.



Anchoring system | Connectors in geogrid reinforced wall application

HDPE Horizontal Key

When installing a geogrid, using HDPE horizontal keys, it must be placed above the connectors. The connectors will therefore be placed before the geogrid. After positioning the geogrid, move the block (from the above course) forward until it touches the connectors and ensures that the system is locked.

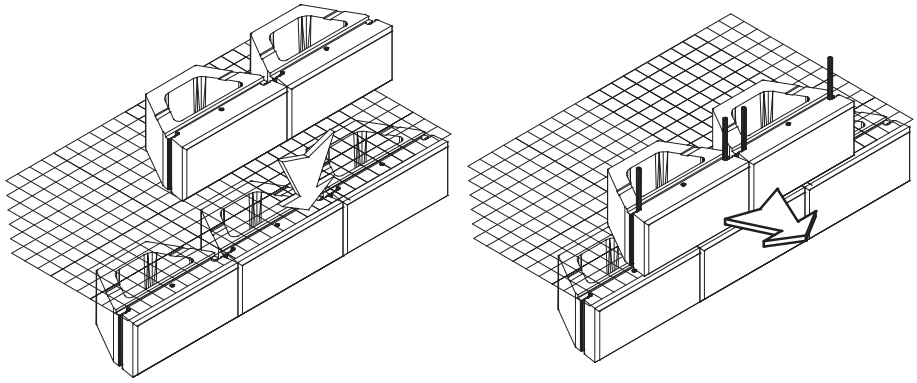


INSTALLATION GUIDE

RETAINING WALLS

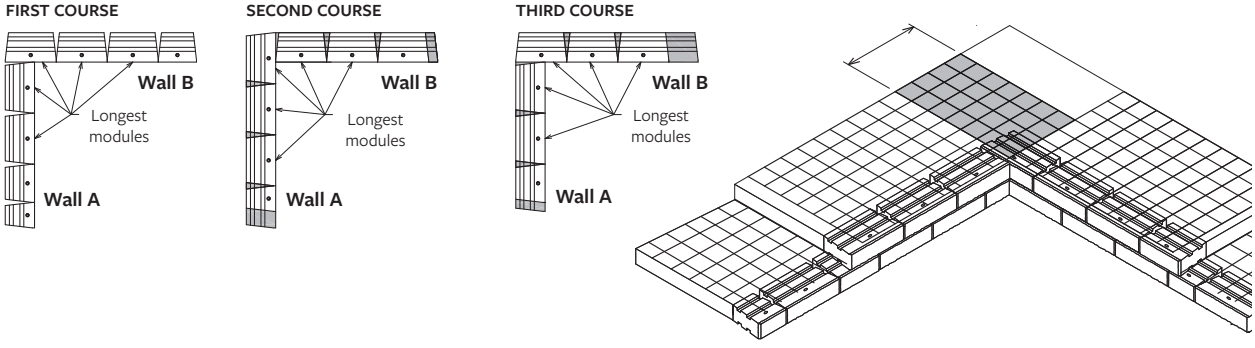
HDPE Vertical Key

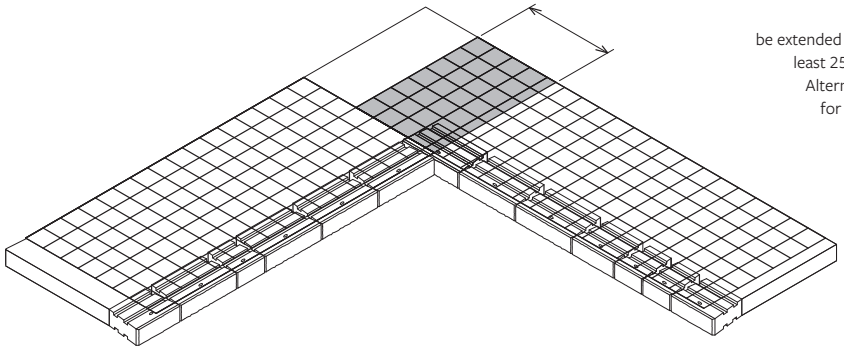
When installing geogrid, using HDPE vertical keys, it must be placed immediately above the lower course block. The connectors will be inserted in the vertical slots of the upper course blocks. Ensure that pin all ways settles into the receiving slot of the lower course block and not on the geogrid. Once the pin settles, move forward the upper block until it touches the connectors and ensures that the system is locked.



Internal corner

When building a wall with an internal corner, it is recommended to start constructing the wall at the corner and build out from this point in both directions. To form the corner, use the longer modules as illustrated. Build wall B by extending it out from wall A so the end of wall B is aligned with the back of wall A. For subsequent courses, simply alternate the extension of walls A and B.





When using geogrid, it must be extended beyond the internal corner by at least 25% of the total height of the wall. Alternate the extension of the geogrid for subsequent layers (as illustrated in grey)

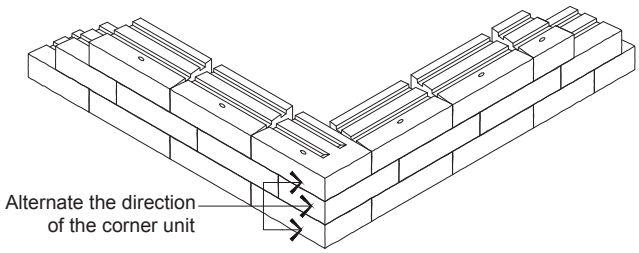
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

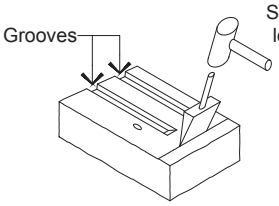
INSTALLATION GUIDE

RETAINING WALLS

External corner

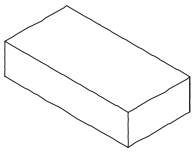
For walls with an external corner, start building the wall from the corner and continue from this point in both directions. For each subsequent course, alternate the direction of the corner unit and secure the corner unit to the block below using concrete adhesive.



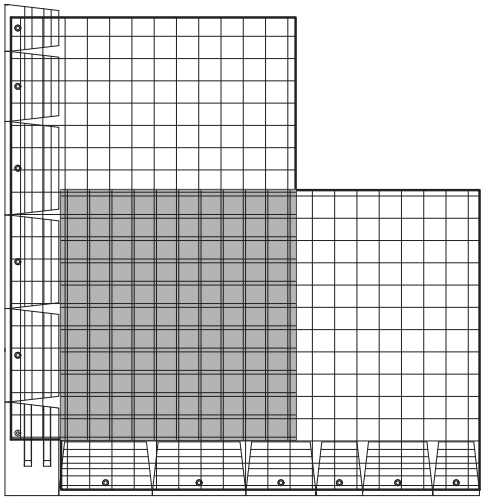


Split down the units at the location with no grooves

or



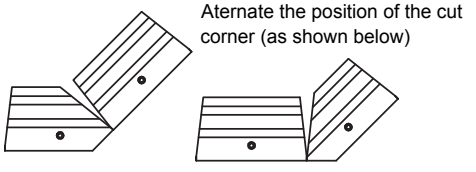
Use corner unit with finish already available on the side

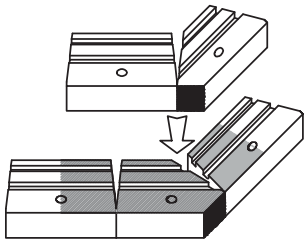


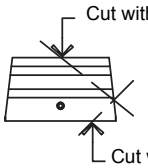
When overlapping two geogrids in the same layer (as illustrated by shaded area) allow at least 3" (75 mm) of backfill in between the overlapping section

Oblique corner

The longer modules should be used to build an oblique external corner. Alternatively, corner can be replaced by a curve.

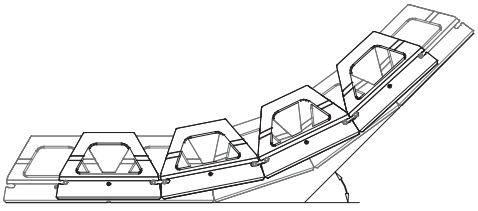


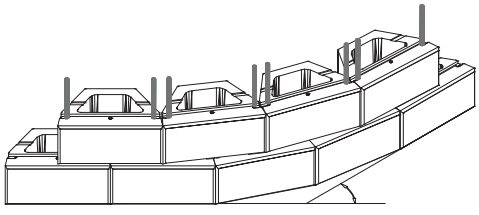




Aternate the corner unit for each subsequent course (as shown above)

Note: Cut face finish may differ from original face finish





Note: Adjust placement in field to achieve desired angle

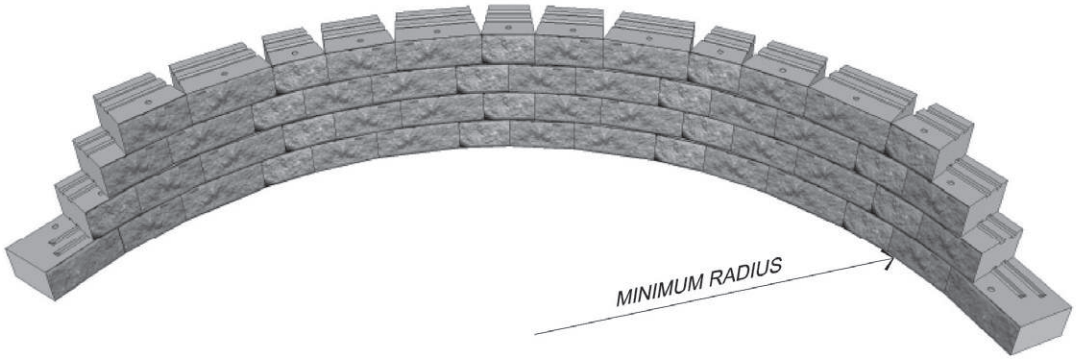
INSTALLATION GUIDE

RETAINING WALLS

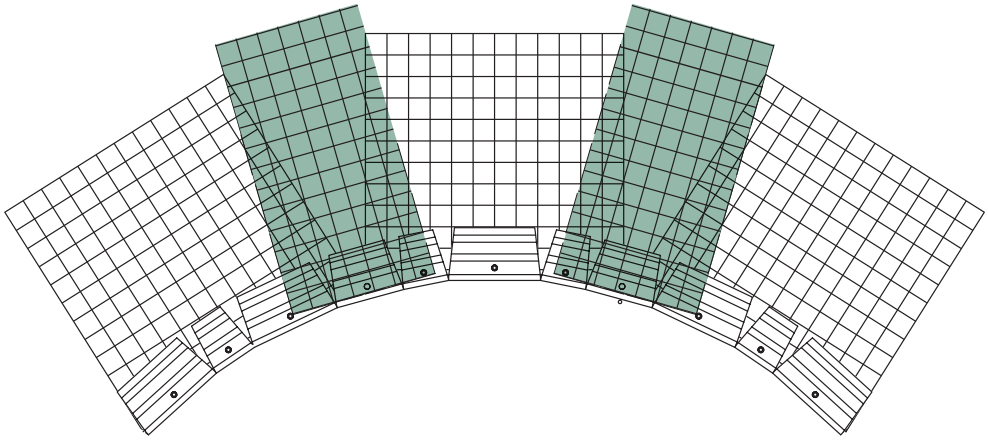
Internal curve

The Techo-Bloc retaining wall system allows walls to be built with internal and external curves. These curves can be achieved without cutting the blocks. You will need to angle the curves according to the minimum radius specified by Techo-Bloc.

When building a wall with an internal curve, it is recommended to start building the wall at the center of the curve and place blocks alternately to the left and right of the central block. If the wall to be constructed requires a setback (inclined wall), each course should be offset to the back and the curve will then become bigger. The minimum radius is therefore that of the first course.



When using geogrid, it must cover 100% of the surface around the curve. To do this, additional layers of geogrid are placed on the next course of blocks to fill voids created from previous course (as illustrated in green).



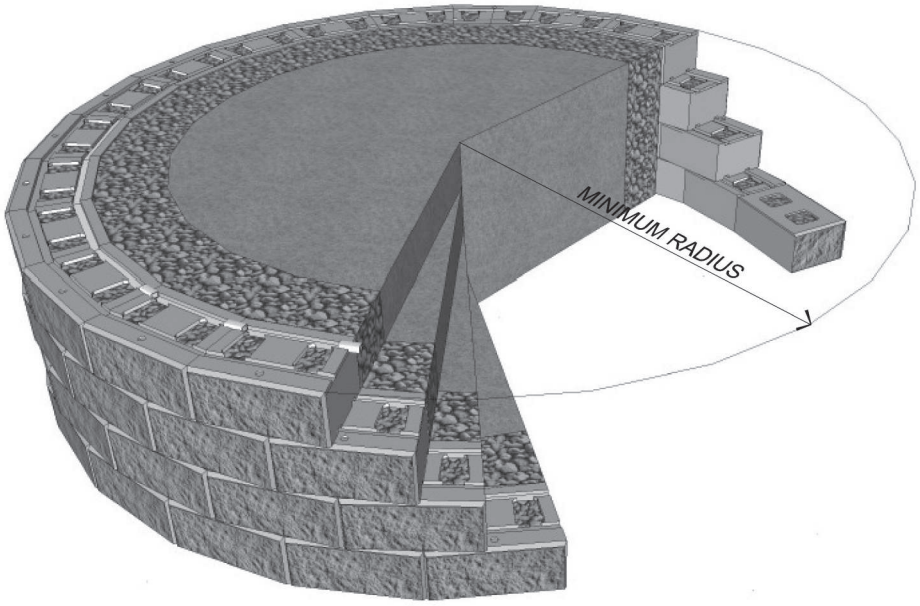
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

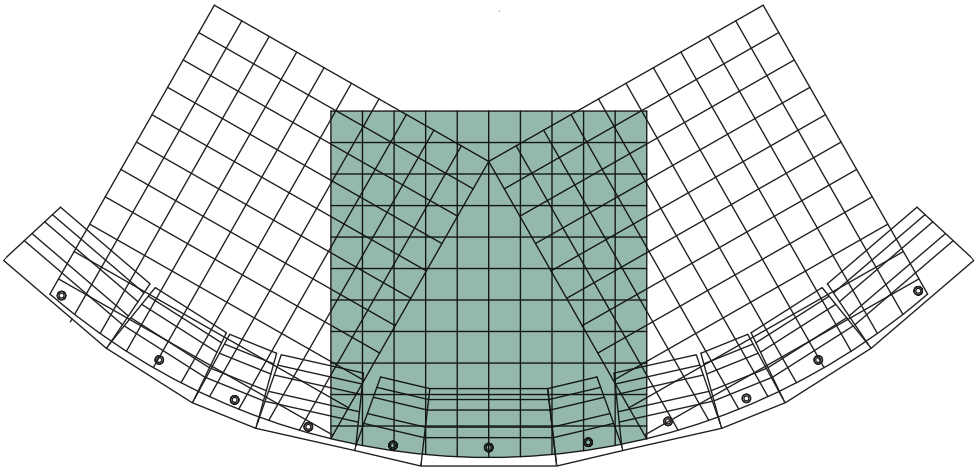
RETAINING WALLS

External curve

When building a wall with an external curve, it is recommended to start building the wall at the center of the curve and place blocks alternately to the left and right of the central block. Unlike internal curves, the external curve gets smaller as courses are added. The minimum radius is therefore that of the last course.



When using geogrid, it must cover 100% of the surface around the curve. To achieve this, additional layers of geogrid are placed on the same course of blocks to fill voids (as illustrated in green). In this case, we recommend at least 3″ (75 mm) of backfill in between the overlapping sections.

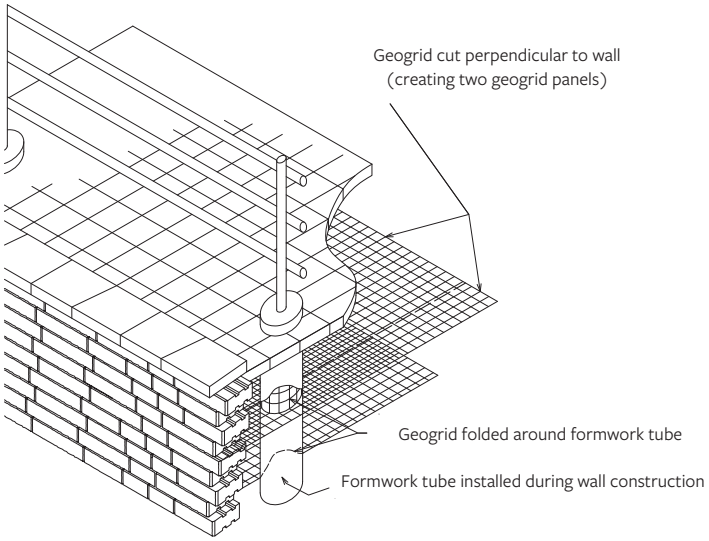


INSTALLATION GUIDE

RETAINING WALLS

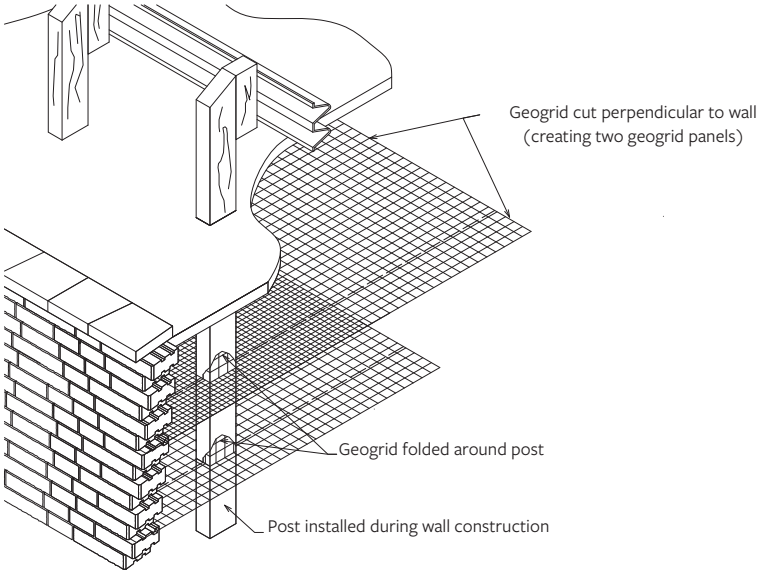
Fencing

Fencing can be erected behind the blocks. Fence posts must be placed in formwork tubes positioned during construction of the wall and then filled with concrete. The geogrid may be cut to accommodate installation of the tubes. Cut the geogrid in alignment with the center of the formwork tube and perpendicular to the wall, thus creating two geogrid panels. Connect the two geogrid panels at the front and back of the formwork tube and bend the geogrid to fit around the formwork.



Guard Rail

As with fencing, a guardrail can be incorporated behind the blocks. The guardrail posts must be installed during construction of the wall. The geogrid is cut perpendicular to the wall and in alignment with the center of the post, thus creating two geogrid panels. These two panels are connected at the front and back of the post. The geogrid can be bent to fit around the post.



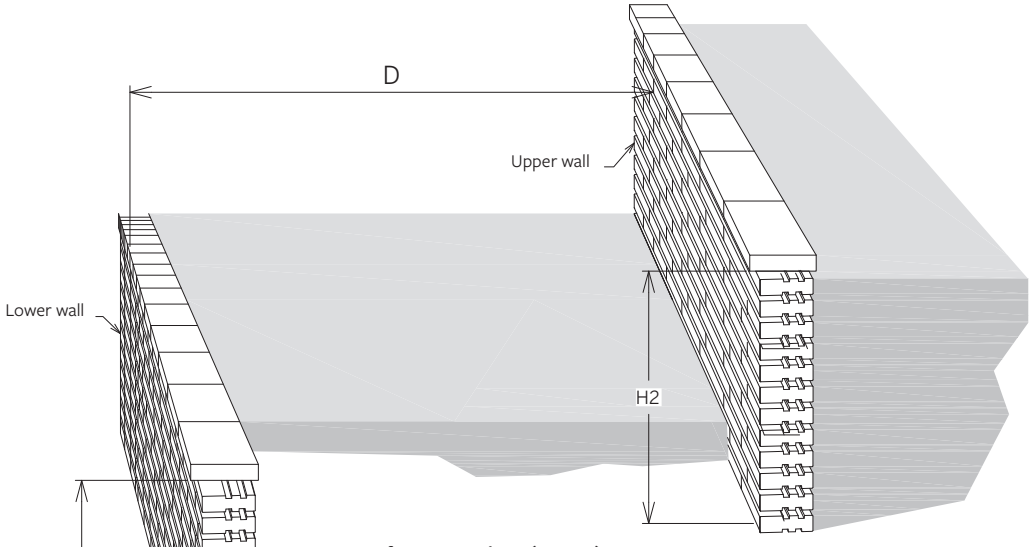
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

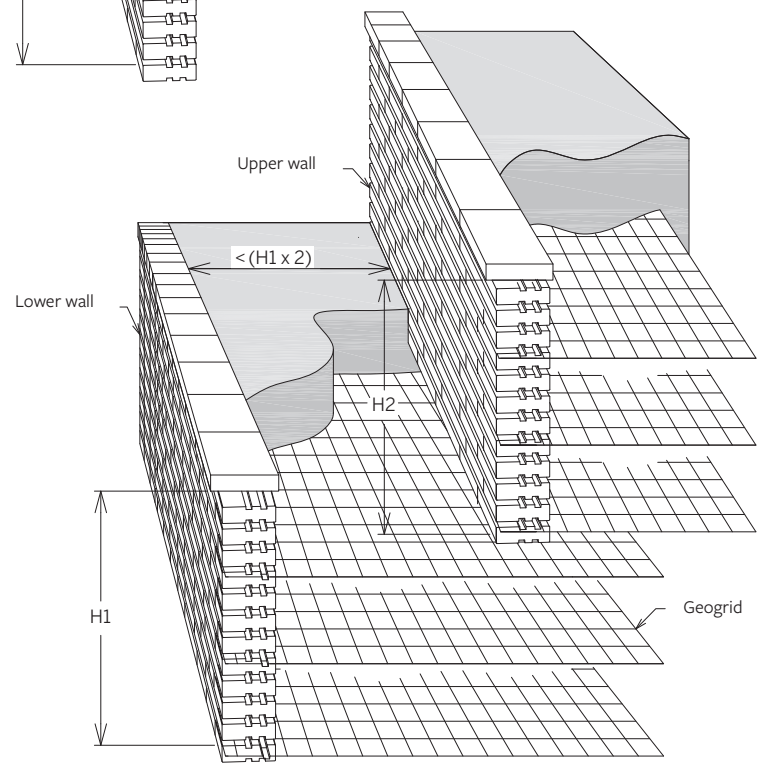
RETAINING WALLS

Tiered Wall

Although tiered walls look appealing, it is important to take into account the additional load the upper wall applies on the lower wall. If the distance between the walls is at least twice the height of the lower wall, the walls are generally independent of each other. However, if this distance is less the lower wall must be built to take account of the load of the upper wall and geogrids may be required.



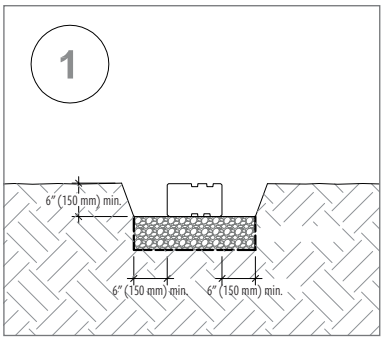
If H1 > H2 and D > (H1 × 2)
The walls are generally independent of each other. Otherwise, the construction of the lower wall must take into account the load of the upper wall (as shown below).

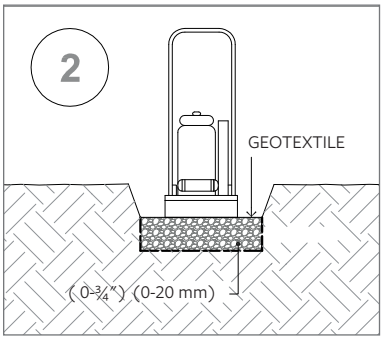


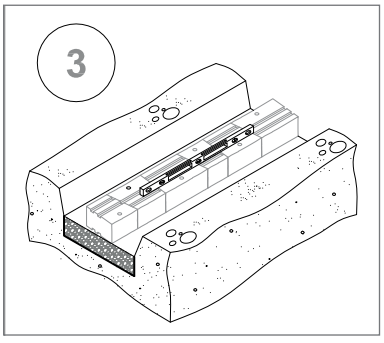
INSTALLATION GUIDE

FREESTANDING WALLS

Installation Outline







01 EXCAVATION

A. Check the location of existing structures and utilities before starting the excavation.

B. Dig out a trench. The trench should be 12″ wider than the block width (6″ (150mm) at the front and at the back of the wall).

C. The trench should be a minimum 12″ (300mm) deep. This depth will provide 6″ (150mm) for the compacted base and a minimum 6″ (150mm) free-standing wall embedment.

D. In areas where unstable soils or one particularly affected by freeze-thaw cycles, a thicker compacted base may be necessary.

E. The foundation soil should be checked to make sure it is firm, level and capable of supporting the freestanding wall.

02 FOUNDATION

A. Cover the excavated area with a geotextile. Create a leveling pad of compacted aggregate base material. The pad should be composed of 0-¾″ (0-20 mm) crushed stone with a minimum thickness of 6″ (150 mm).

NOTE FOR STEPPED FOUNDATION

A wall built on an incline requires stepped foundations. For steep inclines, several steps may be required. Construction should start at the lowest level. Each of the steps must follow a level horizontal path and the vertical distance separating the successive steps must equal the height of a block.

03 BUILDING THE FIRST COURSE

A. Using blocks of the same height, place the first course on the compacted leveling pad according to the predetermined layout. Check the alignment and leveling in all directions and make sure that all the blocks are in full contact with the leveling pad and properly supported.

B. Place the blocks side by side. There must be no space between adjacent blocks. For alignment of straight walls, use a string line aligned on the connector's slots of applicable units, or back of the block of full solid units.

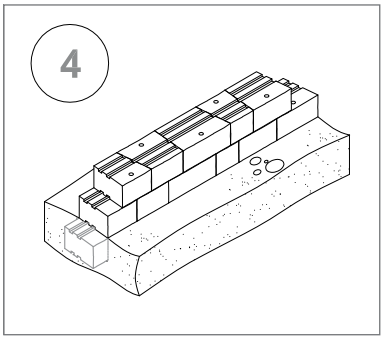
C. For tapered units, alternate front and back faces to obtain straight walls.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

FREESTANDING WALLS

Installation Outline



04 SUBSEQUENT COURSES

A. Clean the top of each block before laying the next course. Depending on the type of block, install the connectors if available on each block.

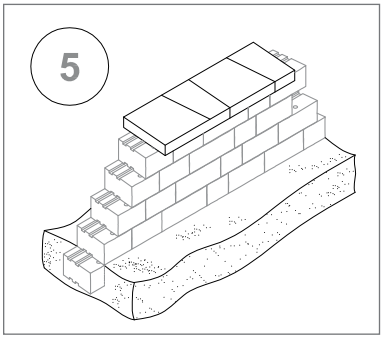
B. Stagger joints from one row to the next.

C. Glue all modules at each row with a concrete adhesive for securing.

D. All Free-standing walls must be installed in vertical position.

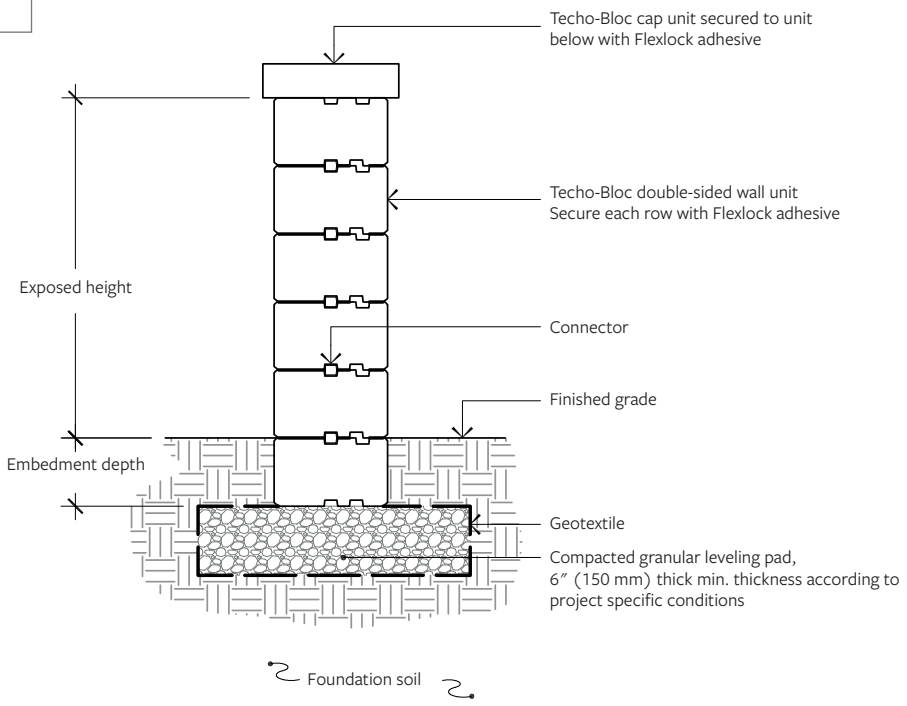
E. Any cavities in the blocks must be filled with ¾″ (20 mm) clean stone.

F. Continue building to the desired and permissible height.



05 FINISHING

A. Position the cap units (if applicable) or the final course of blocks to complete the wall. The cap units (if applicable) or final course of blocks must be fixed to the subjacent blocks using concrete adhesive and there must be no space between the blocks.



INSTALLATION GUIDE

PILLARS

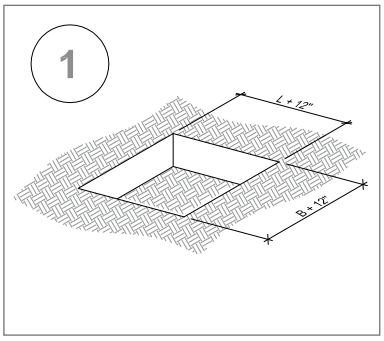
General Note

It is important to adequately glue each row with a concrete adhesive in order to obtain a stable pillar.

If you are planning to install a light on top of the pillar, make sure you run the electrical wires prior to installing the blocks.

If you are planning to build a pillar with a planter, make sure to install a geotextile membrane inside the pillar before filling the cavity with planting soil.

Installation Outline



01 EXCAVATION

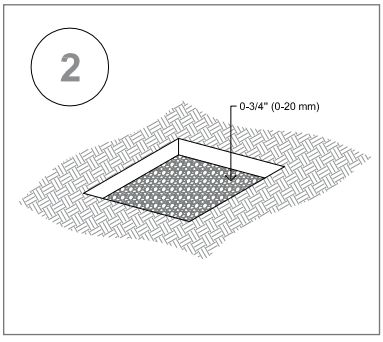
A. Check the location of existing structures and utilities before starting the excavation.

B. Excavate an area that is 12″ (300 mm) wider than the pillar (6″ [150 mm] at each side of the pillar).

C. The excavated area should be a minimum 12″ (300mm) deep. This depth will provide 6″ (150mm) for the compacted base and a minimum 6″ (150mm) of embedment.

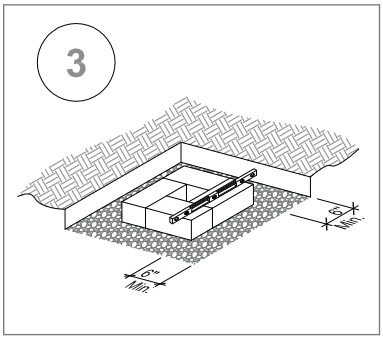
D. In areas where unstable soils or one particularly affected by freeze-thaw cycles, a thicker compacted base may be necessary.

E. The foundation soil should be checked to make sure it is firm, level and capable of supporting the pillar.



02 FOUNDATION

A. Cover the excavated area with a geotextile. Create a leveling pad of compacted granular base material. The pad should be composed of 0-¾″ (0-20 mm) crushed stone with a minimum thickness of 6″ (150 mm).



03 BUILDING THE FIRST COURSE

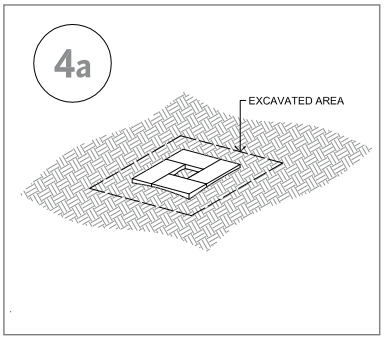
A. Using the corresponding pillar or corner units, place the first course on the compacted base according to the predetermined layout. Check the alignment and leveling in all directions and make sure that all the blocks are in full contact with the base and properly supported.

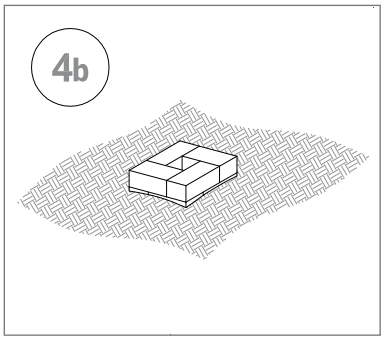
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

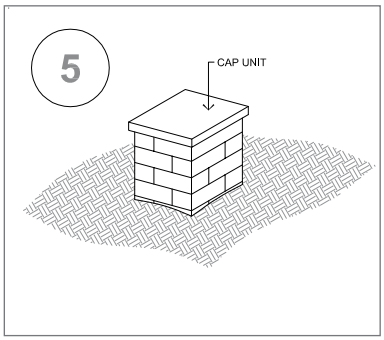
INSTALLATION GUIDE

PILLARS

Installation outline







04 SUBSEQUENT COURSES

A. Clean the top of each block before laying the next course.

B. Stagger joints from one row to the next.

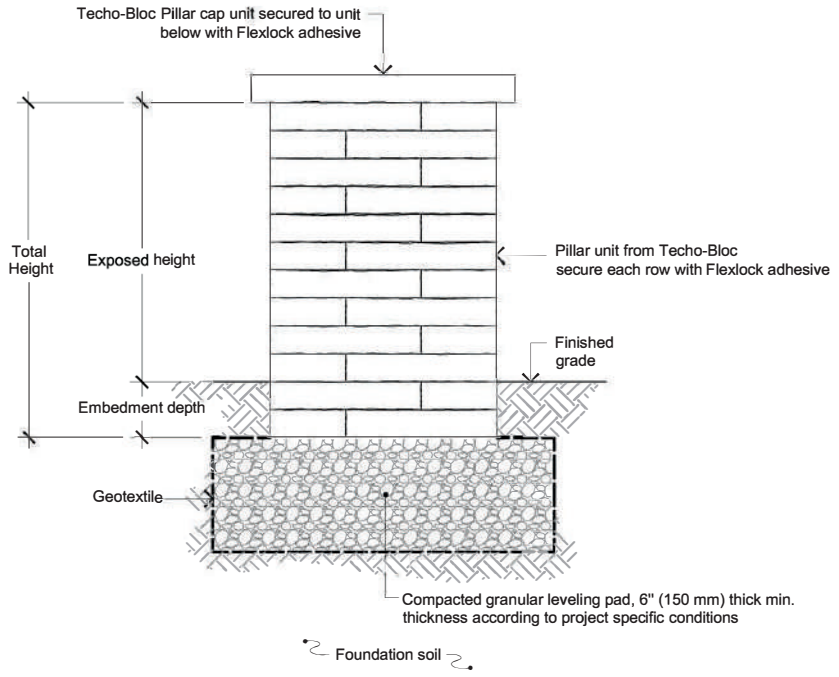
C. Glue all modules at each row with a concrete adhesive for securing.

D. Backfill the excavated area surrounding the pillar.

E. Continue building to desired and permissible height.

05 CROWNING

A. Crown the pillar using Techo-Bloc Pillar cap units and securing to blocks underneath with a concrete adhesive.





BOREALIS WALL

DESCRIPTION: Wall **TEXTURE:** Wood

PALLET OVERVIEW

A

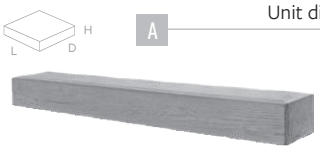
NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

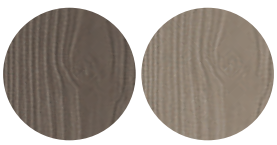
The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**32 ft²**	2.97 m²
Linear coverage per pallet	64 lin. ft	19.51 lin. m
Approx. Weight	3 042 lbs	1 380 kg
Number of rows	4	
Coverage per row	8 ft²	0.74 m²
Coverage per unit	2 ft²	0.19 m²
Linear coverage per unit	4 lin. ft	1.22 lin. m

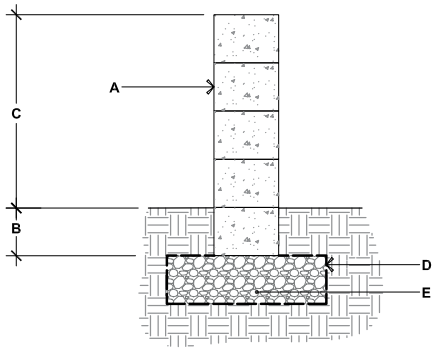


Unit dimensions	in	mm	Units/pallet
Height	6	152	16 units
Depth	8	203	
Length	48	1 219	



INSTALLATION GUIDE

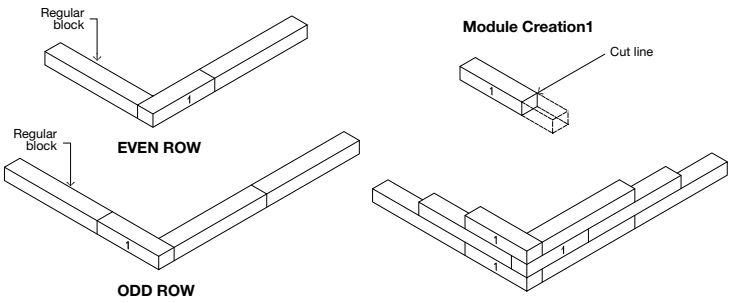
FREESTANDING WALLS- BOREALIS



BOREALIS

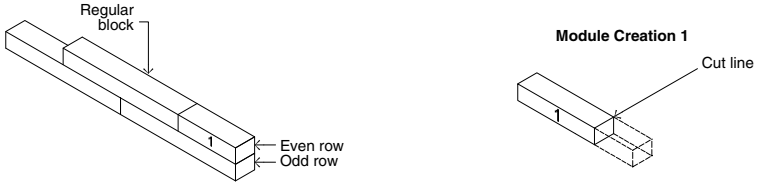
- **A.** BOREALIS DOUBLE-SIDED WALL UNITS
  SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **B.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **C.** 24″ (612 mm) MAX.
- **D.** GEOTEXTILE
- **E.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL



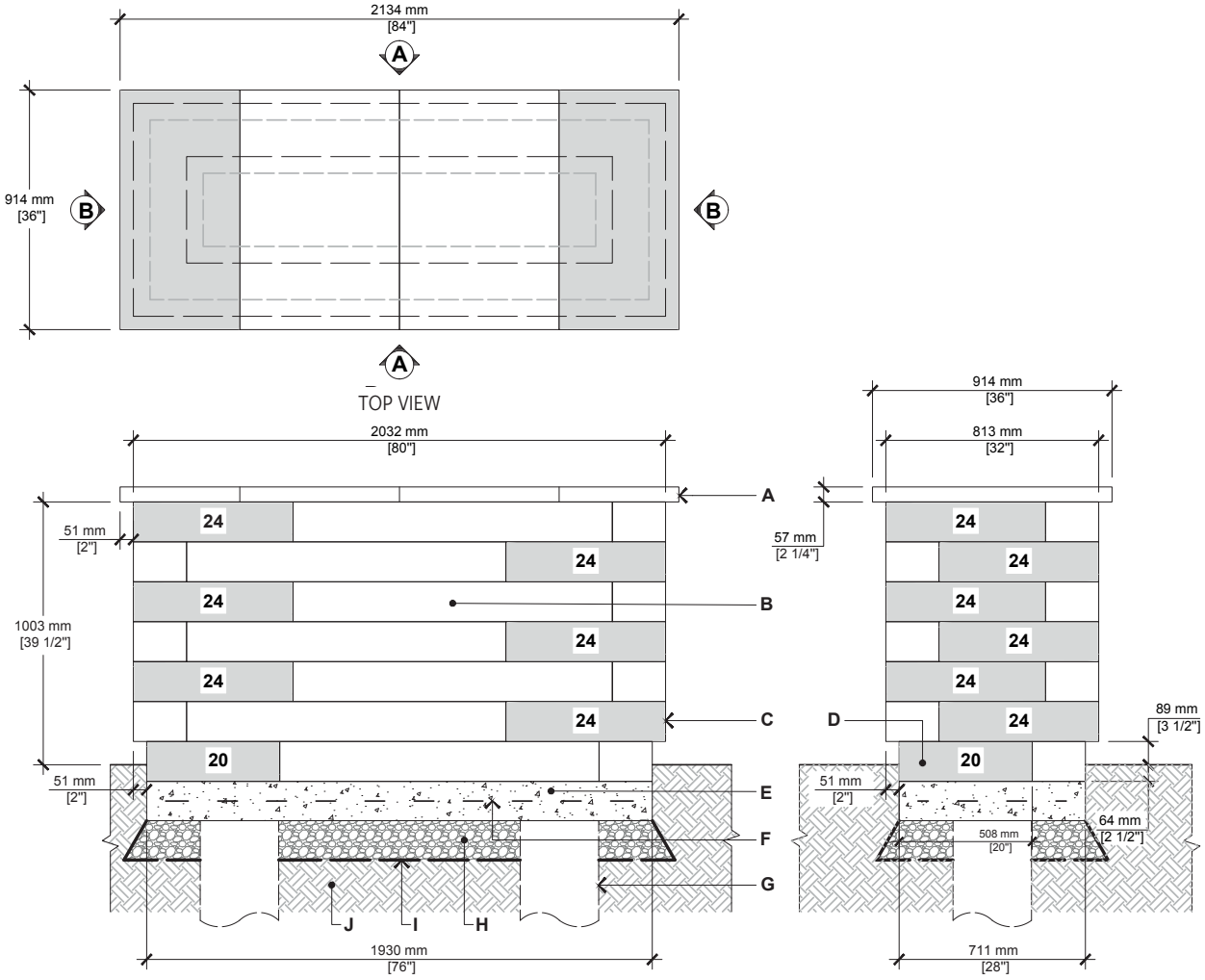
1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



INSTALLATION GUIDE

GRILL ISLAND - BOREALIS



A. YORK COUNTER TOP 24″ X 36″ X 2 ¼″ (CUT ON FIELD AS REQUIRED)

B. BOREALIS WALL UNIT

C. BOREALIS WALL UNIT CUT IN HALF (CUT ON FIELD)

D. BOREALIS WALL UNIT (CUT ON FIELD AS REQUIRED)

E. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

F. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

G. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

H. 3/4″ (20 mm) CLEAN STONE 6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

I. GEOTEXTILE

J. NATURAL SOIL OR COMPACTED BACKFILL

QUANTITY OF MATERIALS REQUIRED

- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Borealis wall unit: **28**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

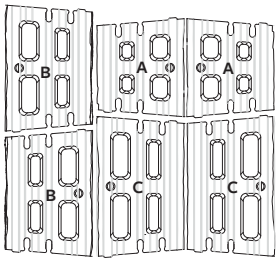
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



BRANDON 90 mm

DESCRIPTION: Double-sided wall **TEXTURE:** Slate

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 138 to 153 for more technical information.

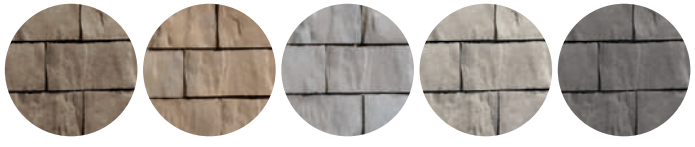
Specifications per pallet	Imperial	Metric
Cubing	**20.44 ft²**	1.90 m²
	69.23 lin. ft	21.10 lin. m
Approx. Weight	1 684 lbs	764 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	10	
Coverage per row	2.04 ft²	0.19 m²
Linear coverage per row	6.92 lin. ft	2.11 lin. m



A	Unit dimensions	in	mm	Units/pallet
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	11 1/4	285	
	Length 2	9 5/8	245	

B				
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	14 3/8	365	
	Length 2	12 13/16	325	

C				
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	15 15/16	405	
	Length 2	14 3/8	365	

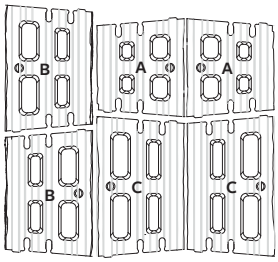




BRANDON 180 mm

DESCRIPTION: Double-sided wall **TEXTURE:** Slate

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**20.44 ft²**	1.90 m²
	34.61 lin. ft	10.55 lin. m
Approx. Weight	1 719 lbs	780 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	5	
Coverage per row	4.09 ft²	0.38 m²
Linear coverage per row	6.92 lin. ft	2.11 lin. m



A	Unit dimensions	in	mm	Units/pallet
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	11 1/4	285	
	Length 2	9 5/8	245	

B				
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	14 3/8	365	
	Length 2	12 13/16	325	

C				
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	15 15/16	405	
	Length 2	14 3/8	365	

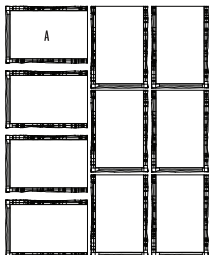




BRANDON 90 & 180 mm

DESCRIPTION: Pillars **TEXTURE:** Slate

PILLAR PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

Specifications per pallet		Imperial	Metric
PILLAR 90 mm	Cubing	**40 units**	40 units
	Approx. Weight	1 625 lbs	737 kg
	Number of rows	4	
	Pillar height	35 7/16	900 mm



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	40 units
Depth	9 13/16	250	
Length	14 3/16	360	

Specifications per pallet		Imperial	Metric
PILLAR 180 mm	Cubing	**20 units**	20 units
	Approx. Weight	1 636 lbs	742 kg
	Number of rows	2	
	Pillar height	35 7/16	900 mm



A



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	20 units
Depth	9 13/16	250	
Length	14 3/16	360	

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey



Onyx Black

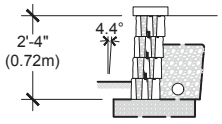


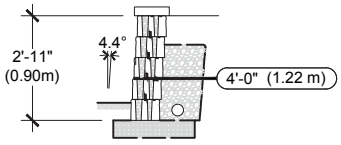
TECHO—BLOC

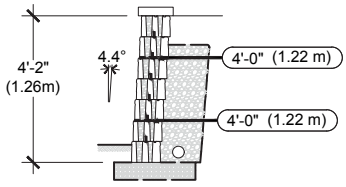
DESIGN CHART
BRANDON 180 mm
(EQUIVALENT TO TWICE THE BRANDON 90 mm)
SETBACK VERTICAL

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

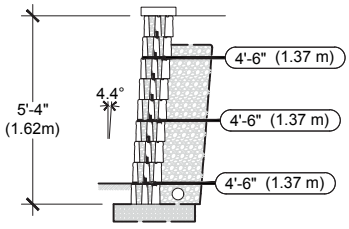
CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

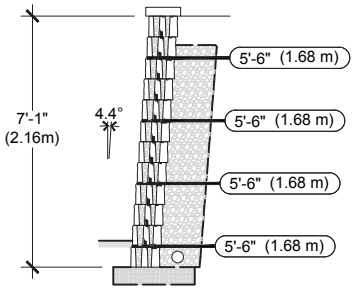


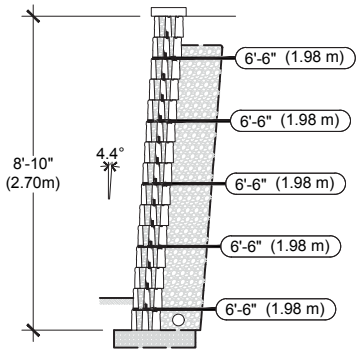




VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)







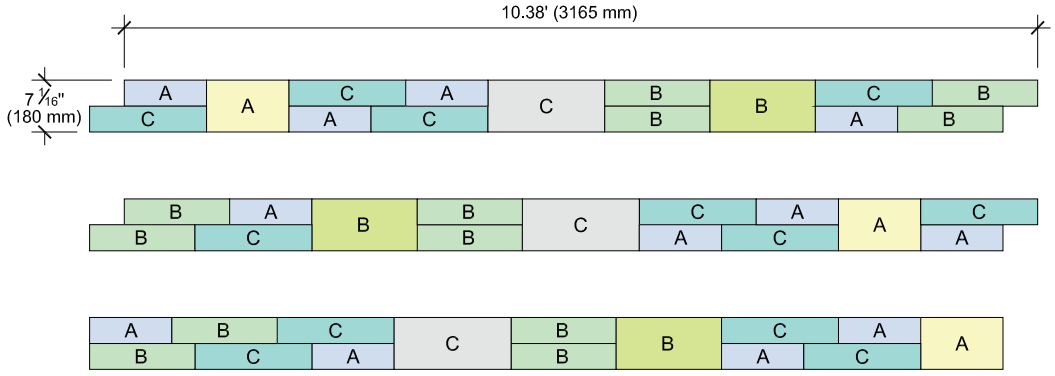
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ =34°, γ = 120 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

INSTALLATION GUIDE

RETAINING WALLS - BRANDON 90 & 180 mm

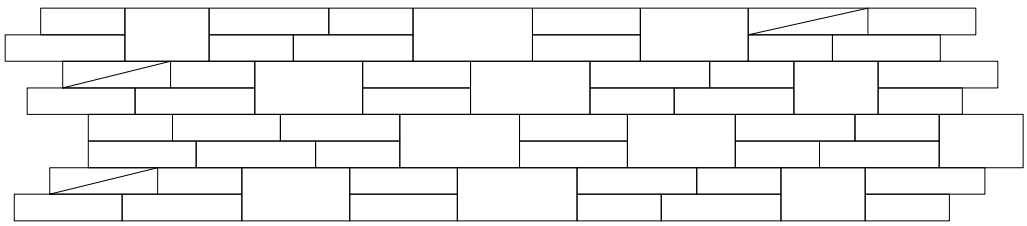
1-Row Pattern | Laying Patterns

The 1-row pattern provides three different combinations. Each combination is 10.38' (3.165 m) long and 7 1/16″ (180 mm) high. **This pattern can be used for installing the last row of modules or where other patterns cannot be used.**



NUMBER OF BLOCKS REQUIRED — MODULE

BRANDON	**A**	**B**	**C**
67% of the surface - Brandon 90 mm	4	4	4
33% of the surface - Brandon 180 mm	1	1	1

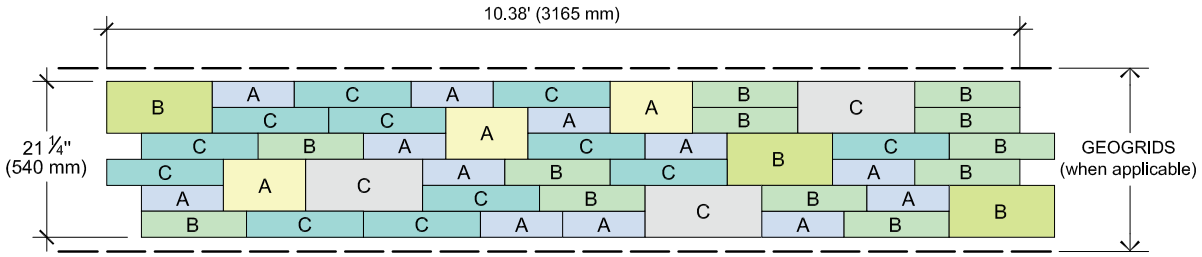


INSTALLATION GUIDE

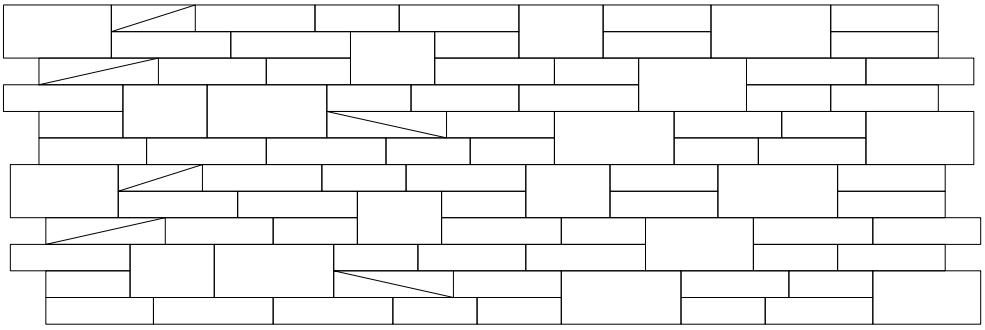
RETAINING WALLS - BRANDON 90 & 180 mm

3-Row Pattern | Laying Patterns

The 3-row pattern is 10.38' (3.165 m) long and 21 ¼″ (540 mm) high. This pattern allows a continuous leveled surface every 21 ¼″ (540 mm), which corresponds to the recommended maximum spacing between the layers of geogrid in a Brandon wall. **This pattern is recommended when using the geogrid.**



NUMBER OF BLOCKS REQUIRED	MODULE		
BRANDON	**A**	**B**	**C**
67% of the surface - Brandon 90 mm	12	12	12
33% of the surface - Brandon 180 mm	3	3	3



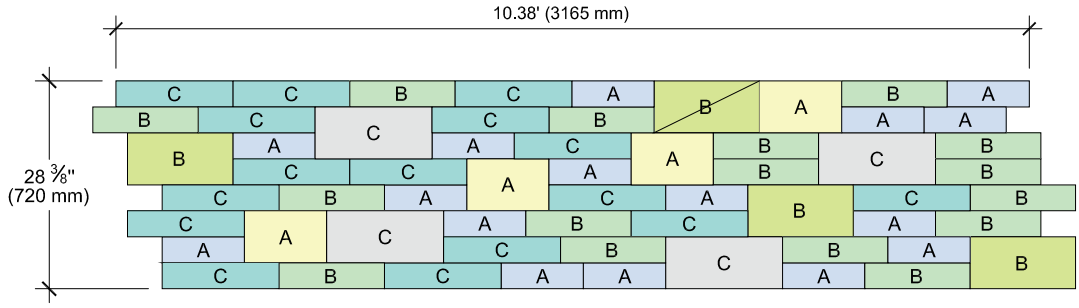
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

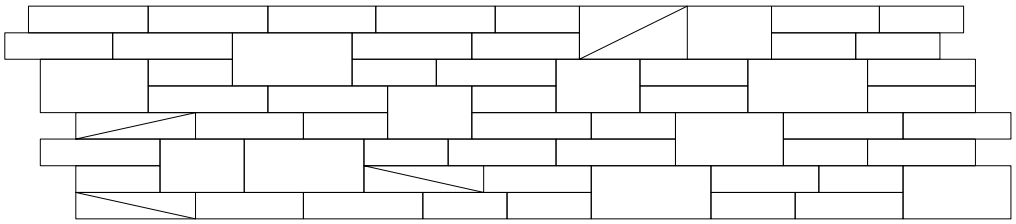
RETAINING WALLS - BRANDON 90 & 180 mm

4-Row Pattern | Laying Patterns

The 4-row pattern is 10.38' (3.165 m) long and 28 ⅜" (720 mm) high. **This pattern should be used only where the geogrid is not required.**

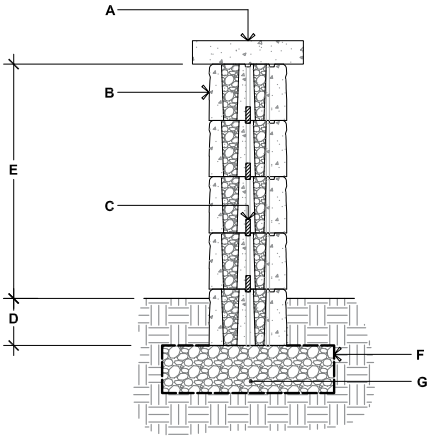


NUMBER OF BLOCKS REQUIRED	MODULE		
BRANDON	**A**	**B**	**C**
67% of the surface - Brandon 90 mm	16	16	16
33% of the surface - Brandon 180 mm	4	4	4



INSTALLATION GUIDE

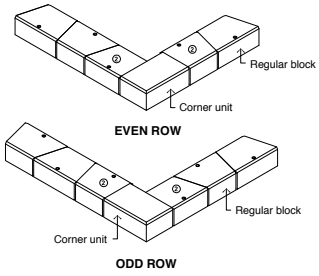
FREESTANDING WALLS - BRANDON 90 & 180 mm

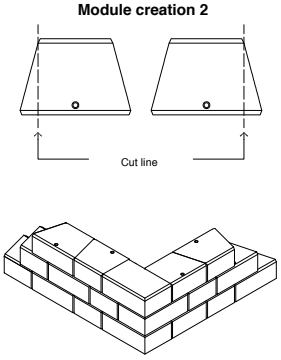


BRANDON 90 mm & 180 mm

- **A.** TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** BRANDON 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 29 7/16″ (750 mm) MAX.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

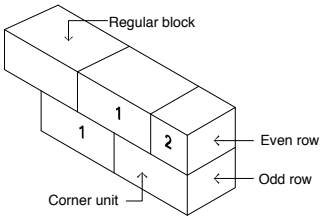
90° CORNER OF A DOUBLE-SIDED WALL

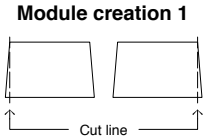


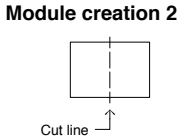


1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL







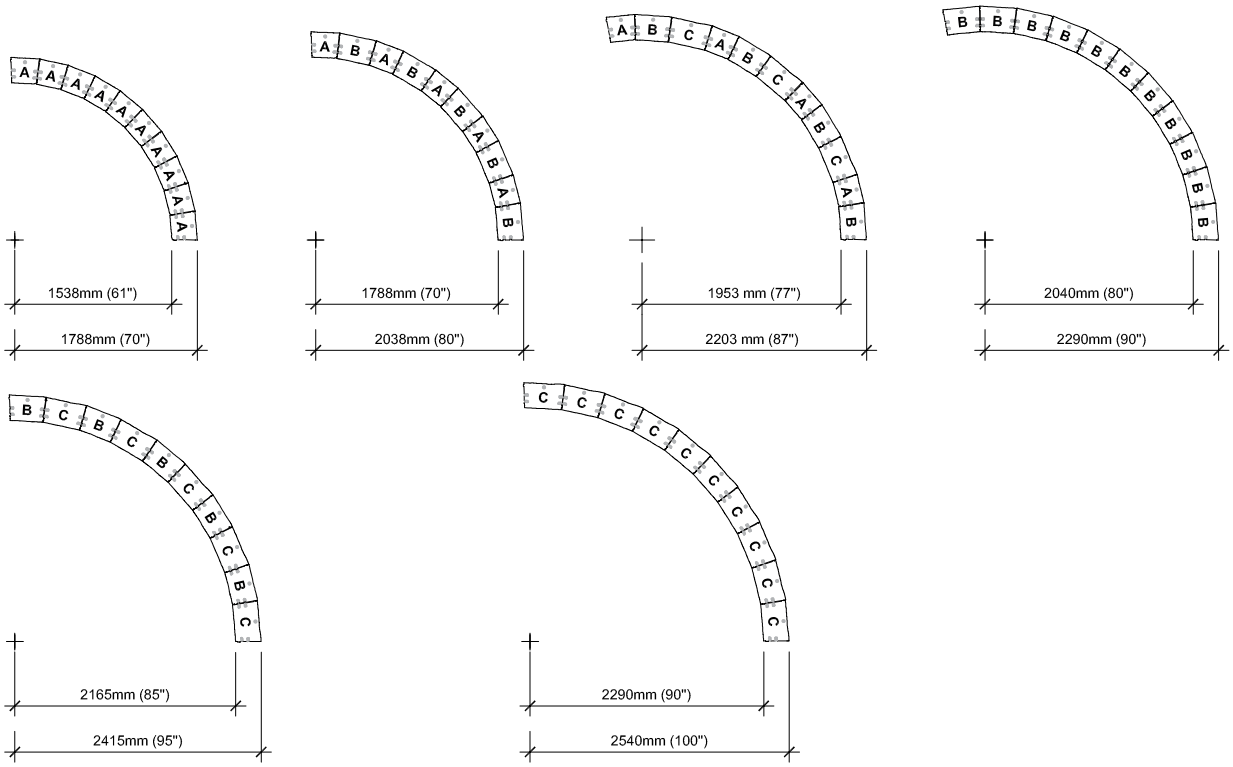
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

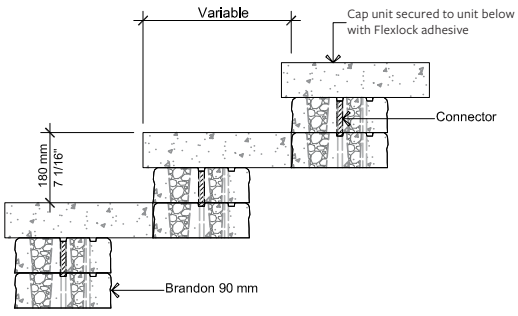
DOUBLE-SIDED WALL RADIUS - BRANDON 90 & 180 mm



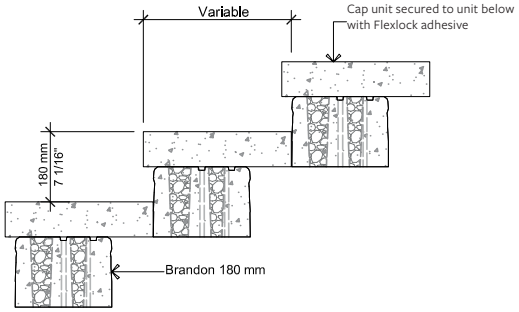
It is the user's responsibility to verify for the quantity of materials required.

STEPS

BRANDON
90 mm



BRANDON
180 mm

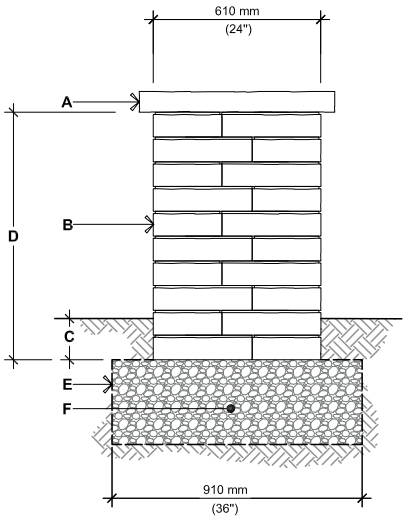


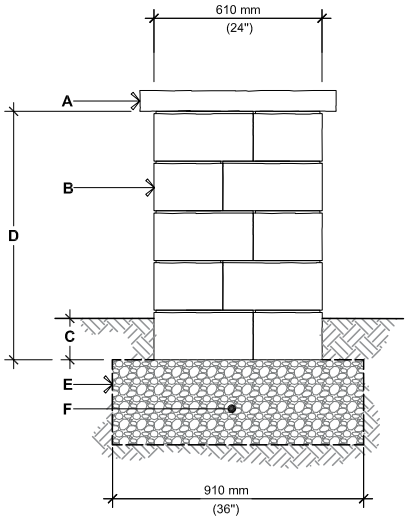
For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - BRANDON 90 & 180 mm



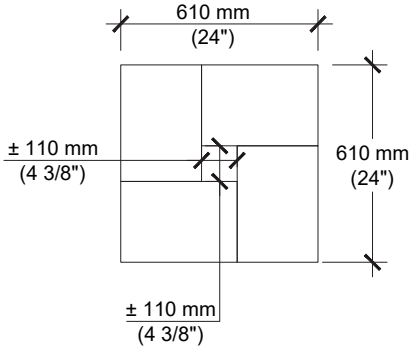


BRANDON 90 mm

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT DEPTH: 150 mm (6″) MIN.
- **D.** 900 mm (35 7/16″), HEIGHT PER PALLET 1 080 mm (42 ½″), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

BRANDON 180 mm

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE
- **B.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT DEPTH: 150 mm (6″) MIN.
- **D.** 900 mm (35 7/16″), HEIGHT PER PALLET 1 080 mm (42 ½″), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

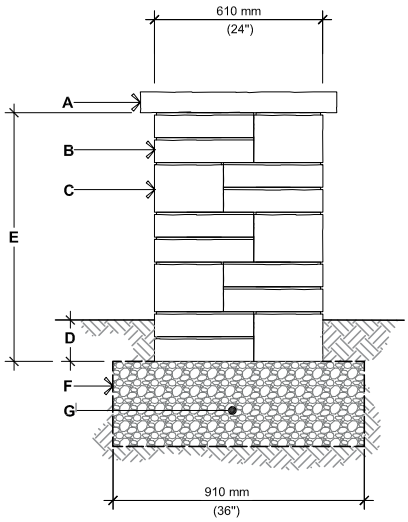


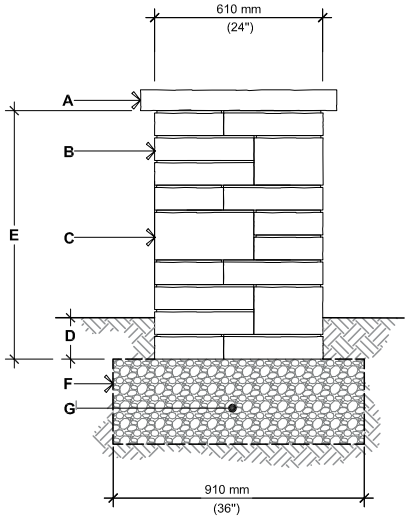
For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - BRANDON 90 & 180 mm



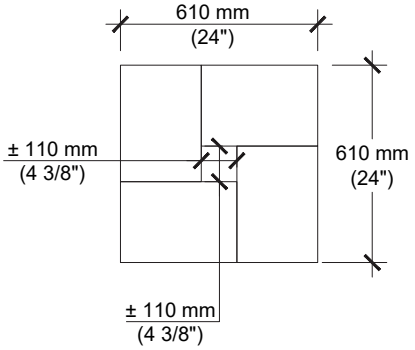


BRANDON 90 mm & 180 mm
OPTION A

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT DEPTH: 150 mm (6″) MIN.
- **E.** 900 mm (35 7/16″), 1 080 mm (42 ½″), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

BRANDON 90 mm & 180 mm
OPTION B

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT DEPTH: 150 mm (6″) MIN.
- **E.** 900 mm (35 7/16″), 1 080 mm (42 ½″), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

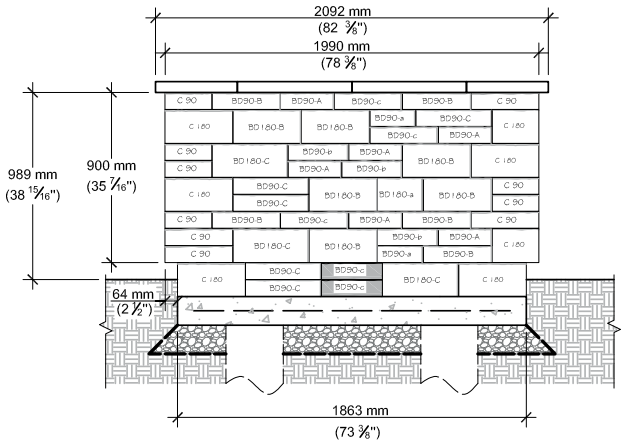


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

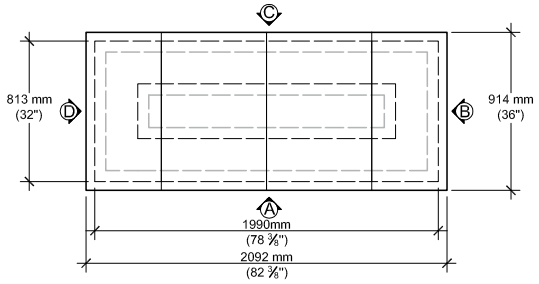
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

GRILL ISLAND - BRANDON 90 & 180 mm



ELEVATION A



TOP VIEW

A. YORK COUNTER TOP 24″ × 36″ × 2 ¼″

B. BRANDON 90 mm UNIT (A, B OR C) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

C. BRANDON 90 mm UNIT (A, B OR C) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

D. BRANDON 180 mm UNIT (A, B OR C) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

E. BRANDON 180 mm UNIT (A, B OR C) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

F. BRANDON 90 mm PILLAR UNIT

G. BRANDON 180 mm PILLAR UNIT

H. BRANDON UNIT CUT ON FIELD

I. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

J. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

K. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

L. 3/4″ (20 mm) CLEAN STONE
6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

M. NATURAL SOIL OR COMPACTED BACKFILL

N. GEOTEXTILE

QUANTITY OF MATERIALS REQUIRED

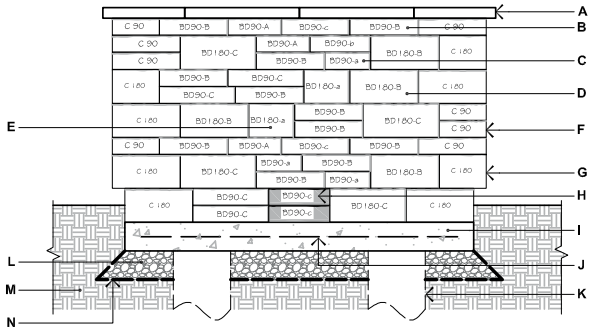
- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Brandon 90 mm unit: **20** A, **20** B, **18** C
- Brandon 180 mm unit: **10** A, **10** B, **9** C
- Brandon 90 mm Pillar unit: **18**
- Brandon 180 mm Pillar unit: **15**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

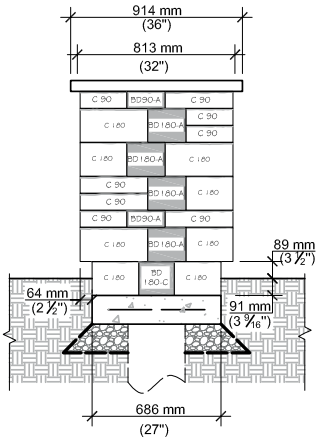
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

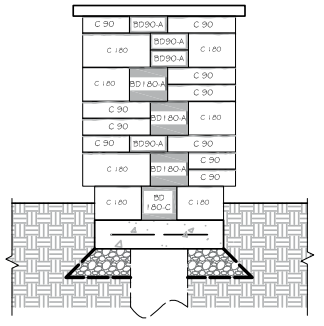
GRILL ISLAND - BRANDON 90 & 180 mm - Cont'd



ELEVATION C



ELEVATION B



ELEVATION D

A. YORK COUNTER TOP 24″ × 36″ × 2 ¼″

B. BRANDON 90 mm UNIT (A, B OR C) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

C. BRANDON 90 mm UNIT (A, B OR C) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

D. BRANDON 180 mm UNIT (A, B OR C) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

E. BRANDON 180 mm UNIT (A, B OR C) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

F. BRANDON 90 mm PILLAR UNIT

G. BRANDON 180 mm PILLAR UNIT

H. BRANDON UNIT CUT ON FIELD

I. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

J. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

K. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

L. 3/4″ (20 mm) CLEAN STONE 6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

M. NATURAL SOIL OR COMPACTED BACKFILL

N. GEOTEXTILE

QUANTITY OF MATERIALS REQUIRED

- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Brandon 90 mm unit: **20** A, **20** B, **18** C
- Brandon 180 mm unit: **10** A, **10** B, **9** C
- Brandon 90 mm Pillar unit: **18**
- Brandon 180 mm Pillar unit: **15**

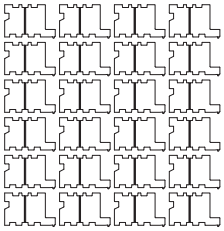
NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.



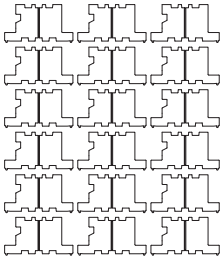
FASCIA WALL COLLECTION

DESCRIPTION: Base and Structural block single-sided & double-sided **TEXTURE:** Smooth

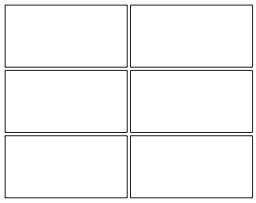
PALLET OVERVIEW - SINGLE-SIDED



PALLET OVERVIEW - DOUBLE-SIDED



PALLET OVERVIEW - BASE



D

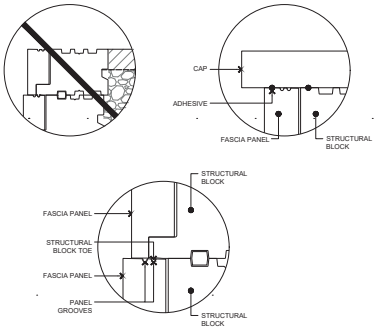
COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap.



Specifications per pallet		Imperial	Metric
SINGLE-SIDED	Cubing	**96 units**	96 units
		31.00 ft²	2.88 m²
		62.99 lin. ft	19.20 lin. m
	Approx. Weight	2 612 lbs	1 185 kg
	Number of rows	4	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	15.75 lin. ft	4.80 lin. m



A

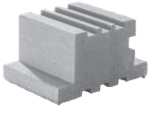


Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	96 units
Depth	9 1/4	235	
Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
DOUBLE-SIDED	Cubing	**72 units**	72 units
		23.25 ft²	2.16 m²
		47.24 lin. ft	14.40 lin. m
	Approx. Weight	2 138 lbs	970 kg
	Number of rows	4	
	Coverage per row	5.81 ft²	0.54 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	72 units
Depth	11 1/16	281	
Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
BASE	Cubing	**66 units**	66 units
		25.58 ft²	2.38 m²
		129.92 lin. ft	39.60 lin. m
	Approx. Weight	3 701 lbs	1 679 kg
	Number of rows	11	
	Coverage per row	2.33 ft²	0.22 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



A

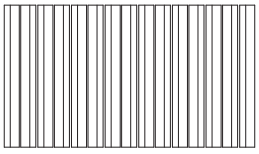
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	66 units
Depth	12	305	
Length	23 5/8	600	



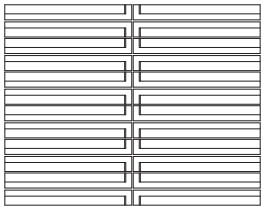
ICONIC FASCIA WALL COLLECTION

DESCRIPTION: Fascia Panel & Corner **TEXTURE:** Klean-Bloc Natural Stone

PALLET OVERVIEW - PANELS



PALLET OVERVIEW - CORNERS



Specifications per pallet		Imperial	Metric
FASCIA	Cubing	**45 units**	45 units
		47.95 ft²	4.46 m²
		97.44 lin. ft	29.70 lin. m
	Approx. Weight	1 390 lbs	630 kg
	Number of rows	3	
	Coverage per row	15.98 ft²	1.49 m²
	Linear coverage per row	32.48 lin. ft	9.90 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	45 units
Depth	2 3/4	70	
Length	26	660	

Specifications per pallet		Imperial	Metric
CORNER	Cubing	**24 units**	24 units
	Approx. Weight	700 lbs	318 kg
	Number of rows	1	
	Pillar height	35 7/16 in	900 mm



A

LEFT UNIT



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	12 units
Depth	2 3/4	70	
Length	23 1/4	590	



B

RIGHT UNIT



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	12 units
Depth	2 3/4	70	
Length	23 1/4	590	

W

COMPATIBLE CAPS

See page 137 for product compatibility.

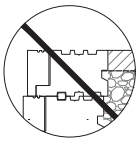
Klean-Bloc technology
See page 20.

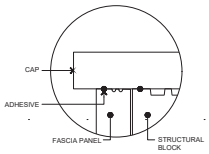
NOTES

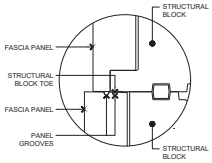
See page 138 to 153 for more technical information.

Fascia Panels require single-sided structural blocks (retaining wall application) or double-sided structural blocks (freestanding walls). Sold Separately.

The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap.







Rock Garden Brown



Victoria



Riviera



Onyx Black

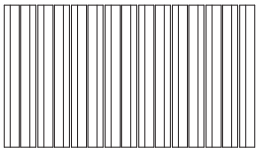




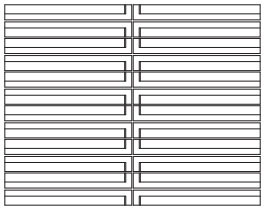
ROSEMONT FASCIA WALL COLLECTION

DESCRIPTION: Fascia Panel & Corner **TEXTURE:** Klean-Bloc Slate

PALLET OVERVIEW - PANELS



PALLET OVERVIEW - CORNERS



Specifications per pallet		Imperial	Metric
FASCIA	Cubing	**45 units**	45 units
		47.95 ft²	4.46 m²
		97.44 lin. ft	29.70 lin. m
	Approx. Weight	1 293 lbs	587 kg
	Number of rows	3	
	Coverage per row	15.98 ft²	1.49 m²
	Linear coverage per row	32.48 lin. ft	9.90 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	45 units
Depth	2 3/4	70	
Length	26	660	

Specifications per pallet		Imperial	Metric
CORNER	Cubing	**24 units**	24 units
	Approx. Weight	660 lbs	299 kg
	Number of rows	1	
	Pillar height	35 7/16 in	900 mm



A

LEFT UNIT



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	12 units
Depth	2 3/4	70	
Length	23 1/4	590	



B

RIGHT UNIT



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	12 units
Depth	2 3/4	70	
Length	23 1/4	590	

W

COMPATIBLE CAPS

See page 137 for product compatibility.

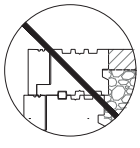
Klean-Bloc technology
See page 20.

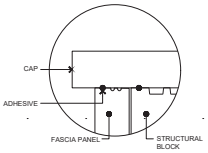
NOTES

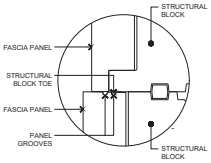
See page 138 to 153 for more technical information.

Fascia Panels require single-sided structural blocks (retaining wall application) or double-sided structural blocks (freestanding walls). Sold Separately.

The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap.







Chocolate Brown



Rock Garden Brown



Riviera

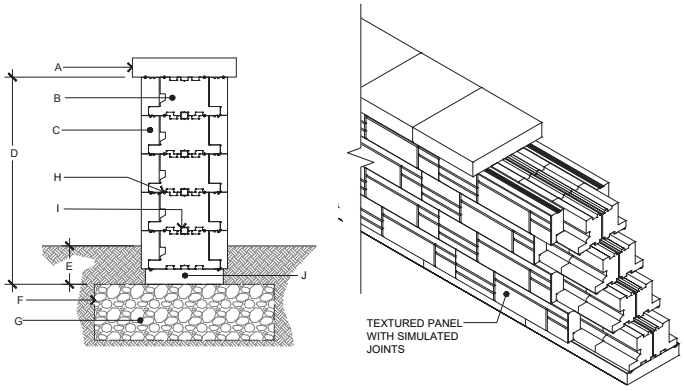


Azzurro



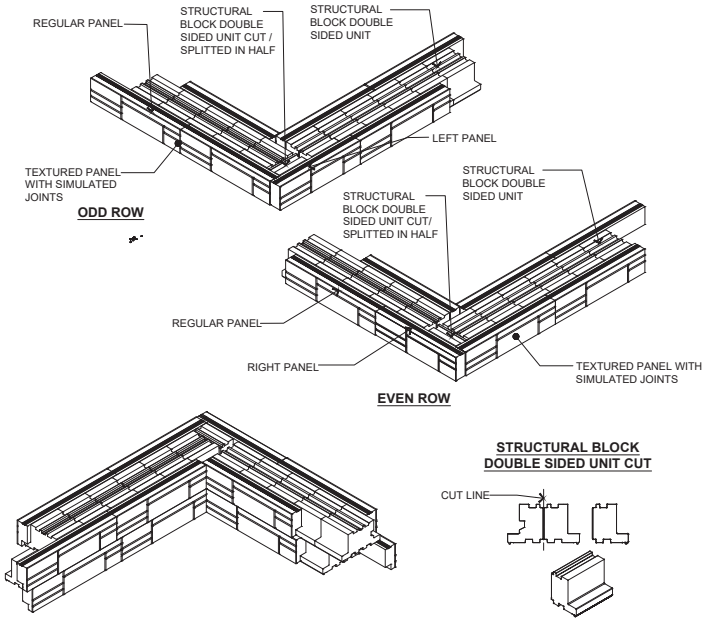
INSTALLATION GUIDE

FREESTANDING WALL



- **A.** TECHO-BLOC CAP UNIT SECURED TO CORE AND PANEL BELOW WITH FLEXLOCK ADHESIVE
- **B.** STRUCTURAL BLOCK DOUBLE-SIDED UNIT
- **C.** PANEL UNIT
- **D.** 29 1/2″ (750 mm) MAX.
- **E.** EMBEDMENT DEPTH 6″ (150 mm) MIN.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6″ (150 mm) MIN. THICKNESS ACCORDING TO PROJECT SPECIFICATIONS
- **H.** FLEXLOCK ADHESIVE
- **I.** HDPE HORIZONTAL KEY
- **J.** BASE UNIT

FREESTANDING WALL - 90° CORNER

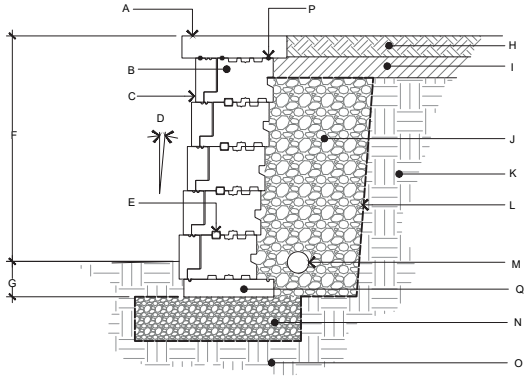


1. ALTERNATE ODD AND EVEN ROWS.
2. STAGGER STRUCTURAL BLOCKS JOINTS FROM ONE ROW TO THE NEXT.
3. GLUE ALL STRUCTURAL BLOCKS AT EACH ROW WITH FLEXLOCK ADHESIVE.
4. APPLY FLEXLOCK ADHESIVE ON TOP OF UPPERMOST PANEL UNITS TO FIX CAP UNITS.
5. STRUCTURAL BLOCK DOUBLE SIDED UNIT CUT / SPLITTED IN HALF MUST ALWAYS BE PRESENT AT THE CORNER OF THE WALL.

NOTE:

The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap.

GRAVITY RETAINING WALL

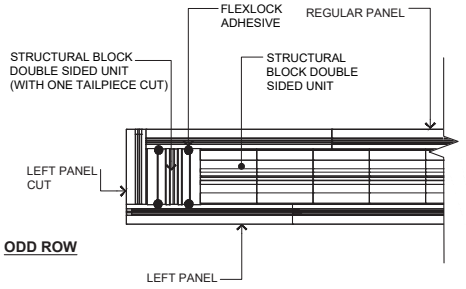


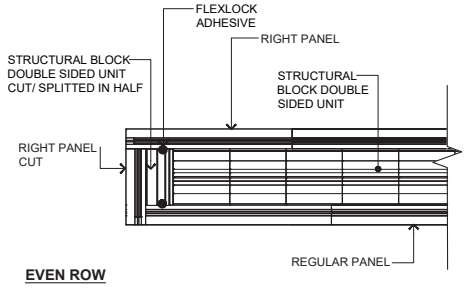
- **A.** TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** STRUCTURAL BLOCK SINGLE SIDED UNIT
- **C.** PANEL UNIT
- **D.** WALL INCLINATION (5.3°)
- **E.** HDPE HORIZONTAL KEY
- **F.** EXPOSED HEIGHT
- **G.** EMBEDMENT DEPTH
- **H.** TOP SOIL
- **I.** LOW PERMEABILITY SOIL
- **J.** 3/4" (20 mm) CLEAN STONE 14" (350mm) THICK MIN.
- **K.** RETAINED SOIL
- **L.** GEOTEXTILE
- **M.** PERFORATED DRAIN
- **N.** LEVELING PAD
- **O.** FOUNDATION SOIL
- **P.** FLEXLOCK ADHESIVE
- **Q.** BASE UNIT

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

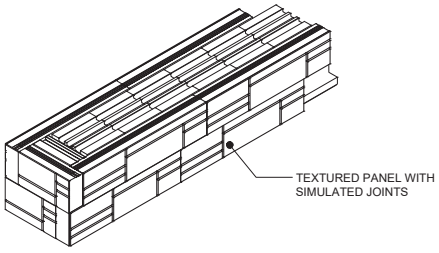
INSTALLATION GUIDE

FREESTANDING END OF A STRAIGHT WALL (OPTION 1)





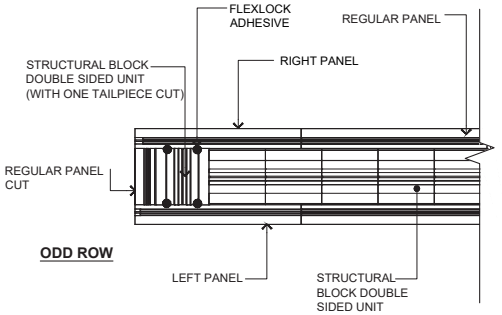
NOTES:
1. ALTERNATE ODD AND EVEN ROWS.
2. STAGGER STRUCTURAL BLOCKS JOINTS FROM ONE ROW TO THE NEXT.
3. GLUE ALL STRUCTURAL BLOCKS AT EACH ROW WITH FLEXLOCK ADHESIVE.
4. APPLY FLEXLOCK ADHESIVE ON TOP OF UPPERMOST PANEL UNITS TO FIX CAP UNITS.

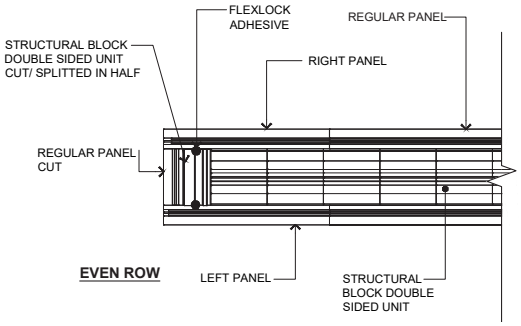


NOTE:

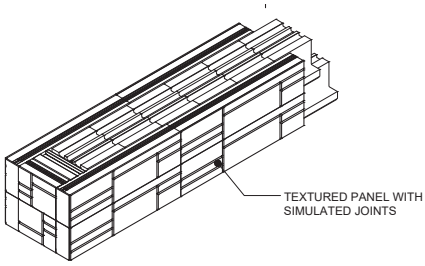
The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap.

FREESTANDING END OF A STRAIGHT WALL (OPTION 2)





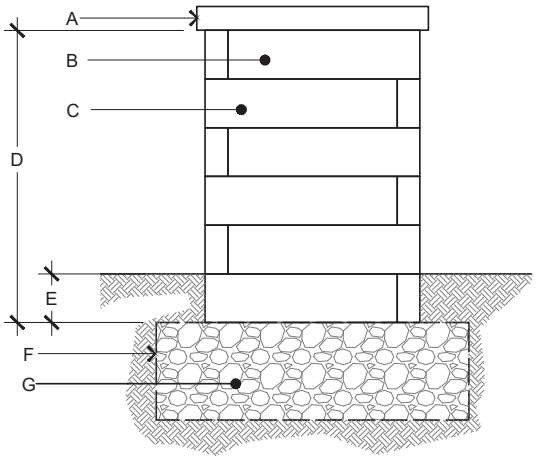
NOTES:
1. ALTERNATE ODD AND EVEN ROWS.
2. STAGGER STRUCTURAL BLOCKS JOINTS FROM ONE ROW TO THE NEXT.
3. GLUE ALL STRUCTURAL BLOCKS AT EACH ROW WITH FLEXLOCK ADHESIVE.
4. APPLY FLEXLOCK ADHESIVE ON TOP OF UPPERMOST PANEL UNITS TO FIX CAP UNITS.

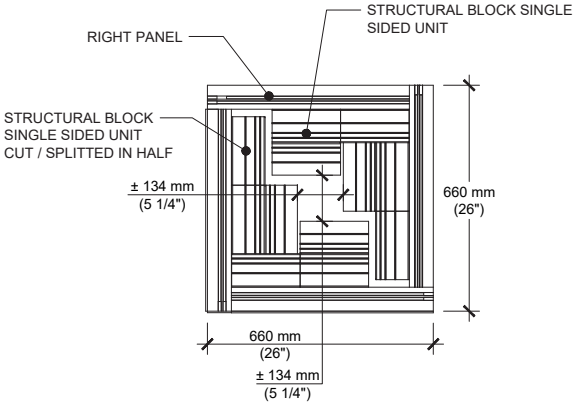


PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

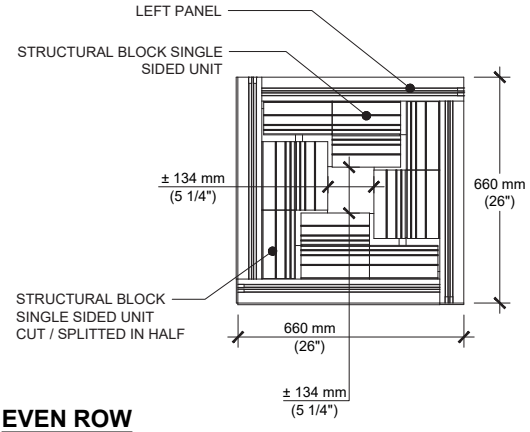
INSTALLATION GUIDE

PILLARS - FASCIA WALL COLLECTION



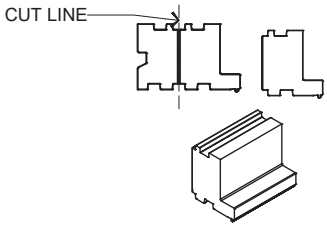


ODD ROW

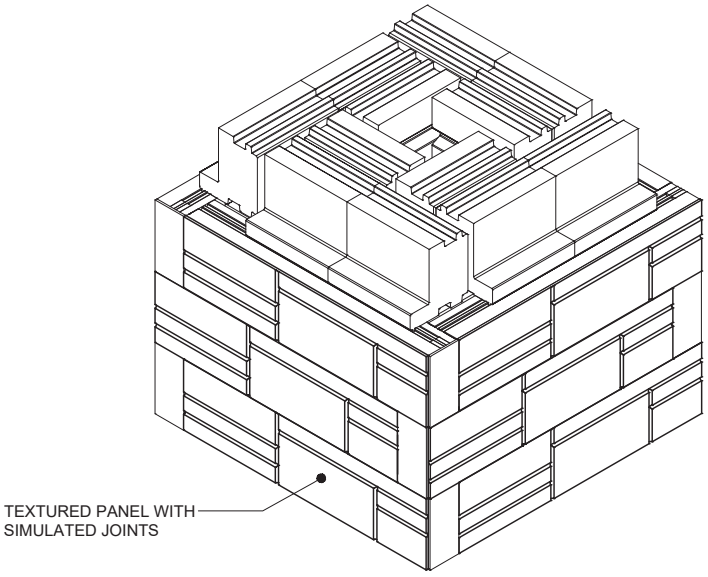


EVEN ROW

STRUCTURAL BLOCK SINGLE SIDED UNIT CUT / SPLITTED IN HALF



- **A.** PILLAR CAP UNIT SECURED TO CORE AND PANEL BELOW WITH FLEXLOCK ADHESIVE
- **B.** RIGHT PANEL
- **C.** LEFT PANEL
- **D.** 35 7/16″ (900 mm) MAX HEIGHT
- **E.** EMBEDMENT DEPTH 6″ (150 mm) MIN.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6″ (150 mm) MIN. THICKNESS ACCORDING TO PROJECT SPECIFICATIONS.



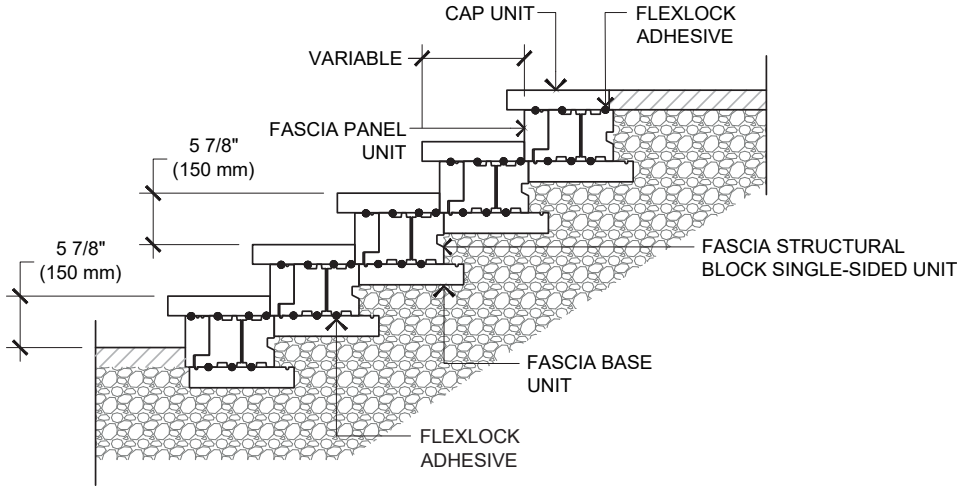
NOTE:

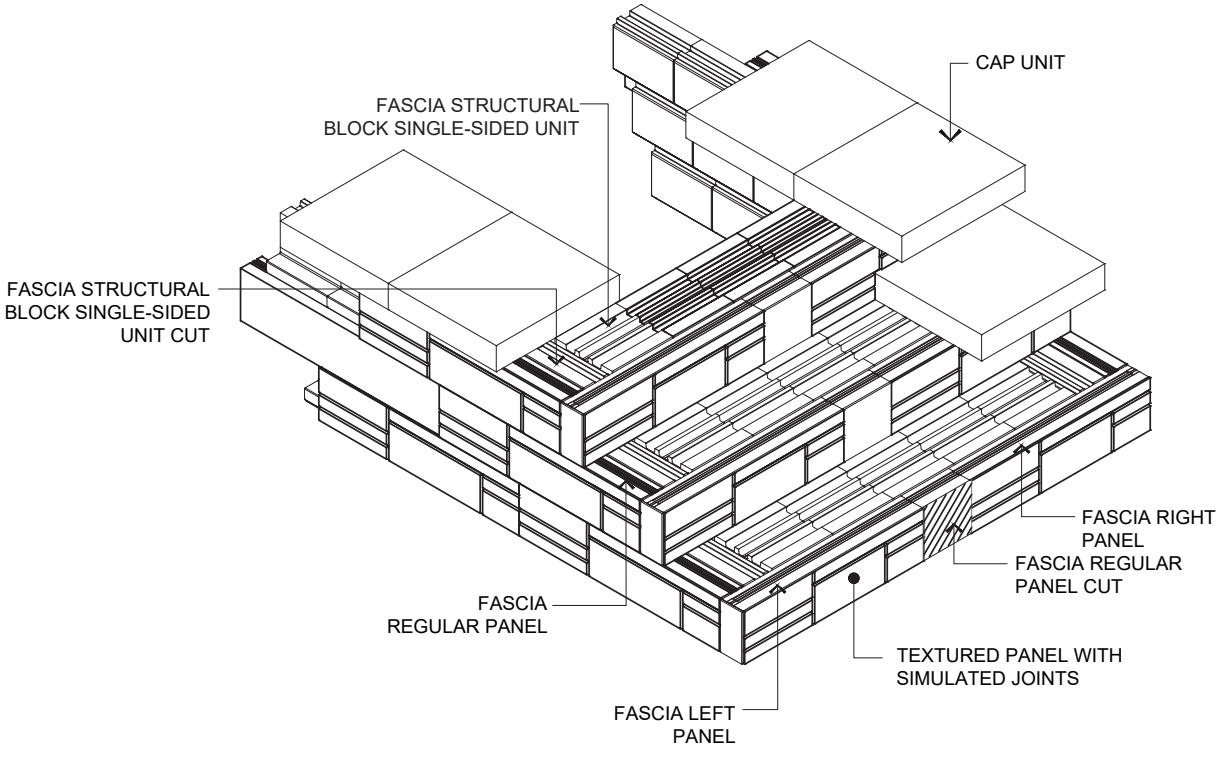
The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap

For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

INSTALLATION GUIDE

STEPS - FASCIA WALL COLLECTION





NOTE:

The top of Fascia Panels shall not be left exposed, they must be stabilized with a structural block on top or glued to the cap

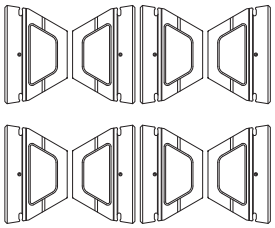
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



G-FORCE

DESCRIPTION: Wall **TEXTURE:** Smooth

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

G-Force block can be installed in a setback position only (inclined wall). The positioning of the HDPE key does not allow for a vertical installation.

Geogrid positioning: visit our website for geogrid design charts

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**32.00 ft²**	2.97 m²
	48 lin. ft	14.63 lin. m
Approx. Weight	2 477 lbs	1 124 kg
Number of rows	4	
Coverage per row	8.00 ft²	0.74 m²
Linear coverage per row	12.00 lin. ft	3.66 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	8	203	32 units
Depth	11 7/16	290	
Length 1	18	457	
Length 2	8 5/8	219	

Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey

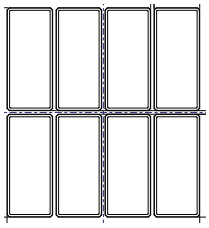




G-FORCE CORNER UNIT

DESCRIPTION: Wall **TEXTURE:** Smooth

PALLET OVERVIEW

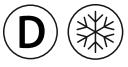


Specifications per pallet	Imperial	Metric
Cubing	**16 units**	16 units
Approx. Weight	1 654 lbs	750 kg
Number of rows	2	





Unit dimensions	in	mm	Units/pallet
Height	8	203	16 units
Depth	9	229	
Length	18	457	



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

Chestnut Brown



Sandlewood



Champlain Grey



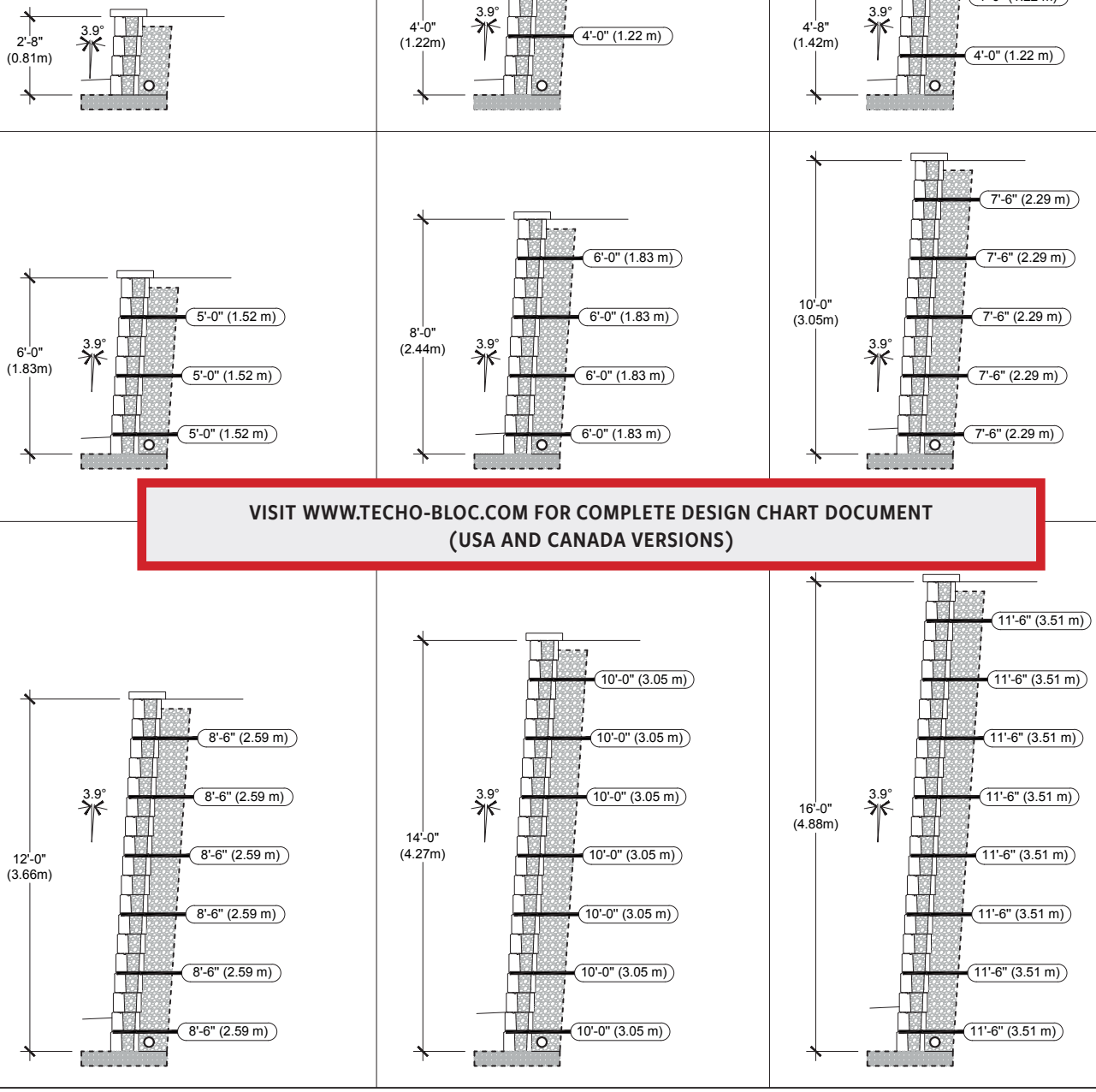
Shale Grey



DESIGN CHART
G-FORCE
SETBACK VERTICAL

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

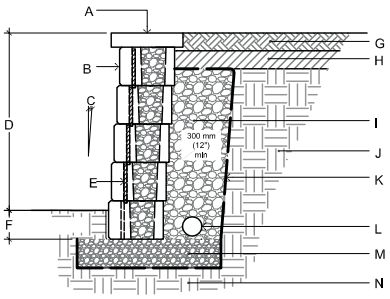


VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)

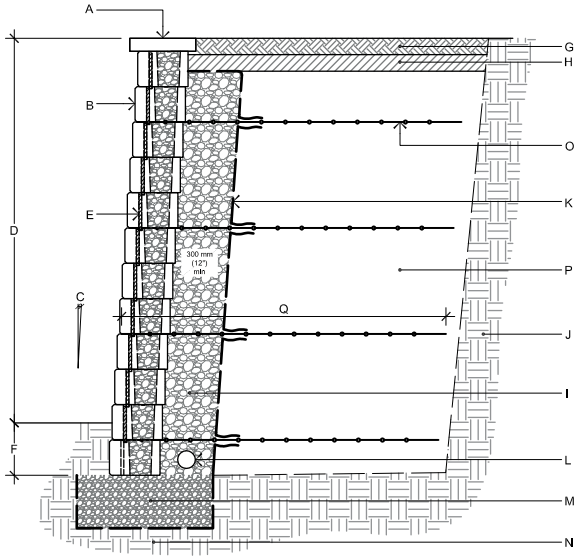
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ = 34°, γ = 120 pcf); foundation soil (φ= 34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

INSTALLATION GUIDE

GRAVITY AND REINFORCED WALLS - G-FORCE



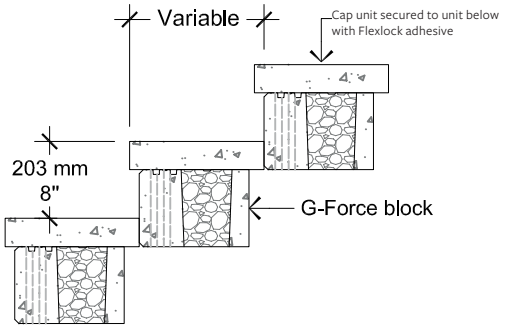
GRAVITY WALL DETAIL



REINFORCED WALL DETAIL

A. CAP FROM TECHO-BLOC
B. G-FORCE BLOCK FROM TECHO-BLOC
C. WALL INCLINATION (3.9°)
D. EXPOSED HEIGHT
E. HDPE VERTICAL KEY
F. EMBEDMENT DEPTH
G. TOP SOIL
H. LOW PERMEABILITY SOIL
I. 3/4″ (20 mm) CLEAN STONE
J. RETAINED SOIL
K. GEOTEXTILE
L. PERFORATED DRAIN
M. LEVELING PAD
N. FOUNDATION SOIL
O. GEOGRID
P. REINFORCED SOIL
Q. GEOGRID LENGTH

STEPS - G-FORCE

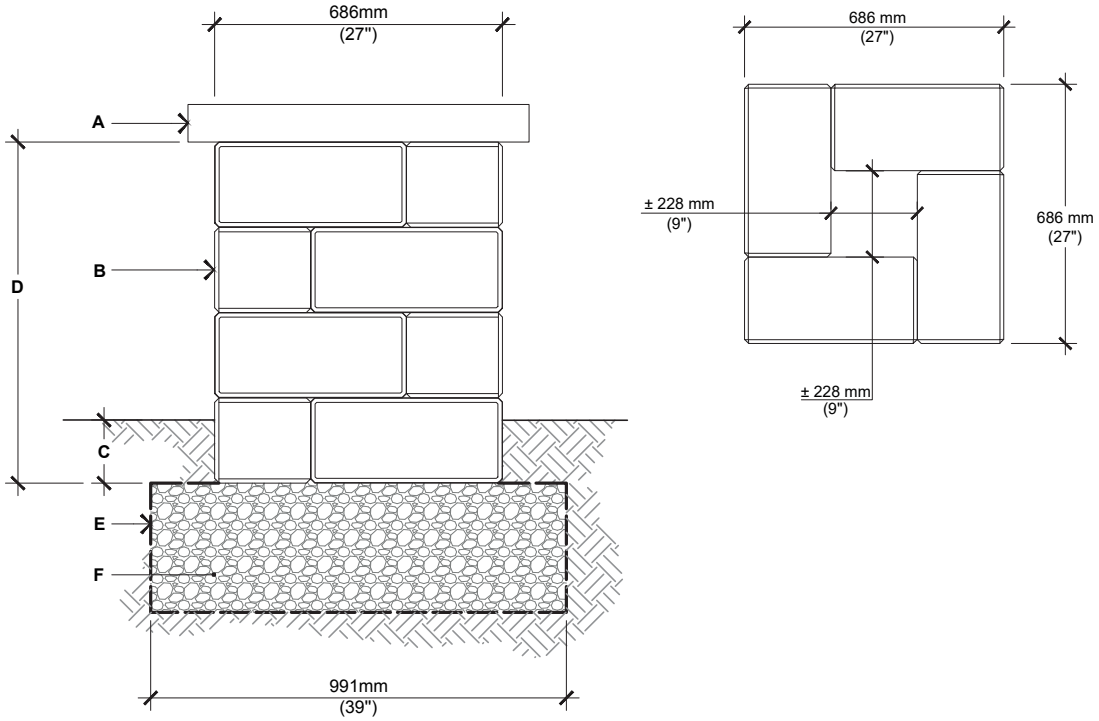


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - G-FORCE



G-FORCE PILLAR

A. PILLAR CAP UNIT
(SECURE WITH FLEXLOCK ADHESIVE)

B. G-FORCE UNIT SECURE EACH ROW WITH
FLEXLOCK ADHESIVE

C. EMBEDMENT 6″ (150 mm) MIN.

D. 32″ (813 mm) HEIGHT PER PALLET
48″ (1219 mm), MAX. HEIGHT

E. GEOTEXTILE

F. COMPACTED GRANULAR BASE 6″
(150 mm THICK MIN. THICKNESS ACCORDING
TO PROJECT SPECIFIC CONDITIONS

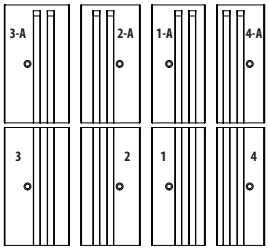
For all possible combinations of pillars and caps, please refer to the correspondence table on page 137



GRAPHIX

DESCRIPTION: Wall double-sided **TEXTURE:** Smooth & Split face

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**26.25 ft²**	2.44 m²
	107.67 lin. ft	32.51 m lin.
Approx. Weight	2 773 lbs	1 258 kg
Number of rows	8	
Coverage per row	3.28 ft²	0.30 m²
Linear coverage per row	13.33 lin. ft	4.06 lin. m

	Unit dimensions	in	mm	Units/pallet
1	Height	2 15/16	75	8 units
	Depth	9 1/16	230	
	Length	20	508	
2	Height	2 15/16	75	8 units
	Depth	10 1/16	255	
	Length	20	508	
3	Height	2 15/16	75	8 units
	Depth	11	280	
	Length	20	508	
4	Height	2 15/16	75	8 units
	Depth	8 1/16	205	split on one side
	Length	20	508	
1A	Height	2 15/16	75	8 units
	Depth	9 1/16	230	Left corner unit
	Length	20	508	
2A	Height	2 15/16	75	8 units
	Depth	10 1/16	255	Right corner unit
	Length	20	508	
3A	Height	2 15/16	75	8 units
	Depth	11	280	Left corner unit
	Length	20	508	
4A	Height	2 15/16	75	8 units
	Depth	8 1/16	205	Right corner unit, split on one side
	Length	20	508	

Beige Cream



Greyed Nickel



Onyx Black

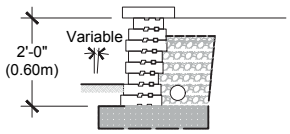


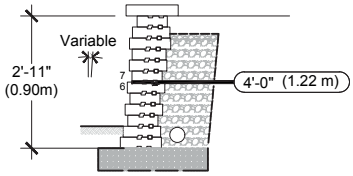
DESIGN CHART GRAPHIX

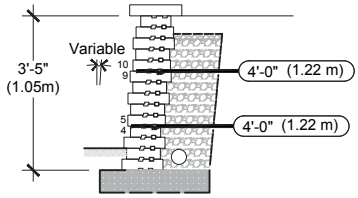
SETBACK VERTICAL

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 2XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

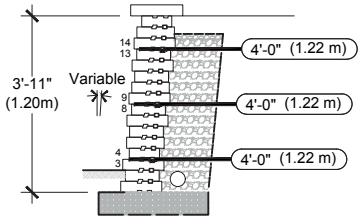
CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

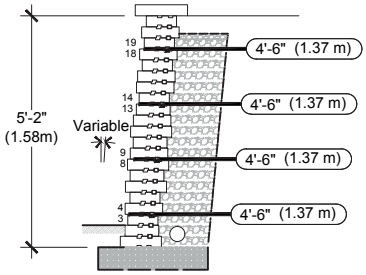


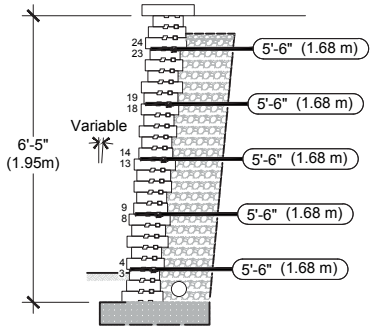




VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT
(USA AND CANADA VERSIONS)





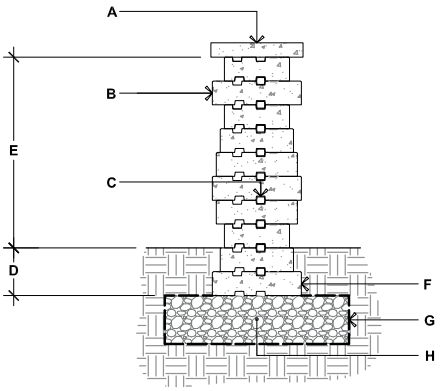


1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ =34°, γ = 120 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
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PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

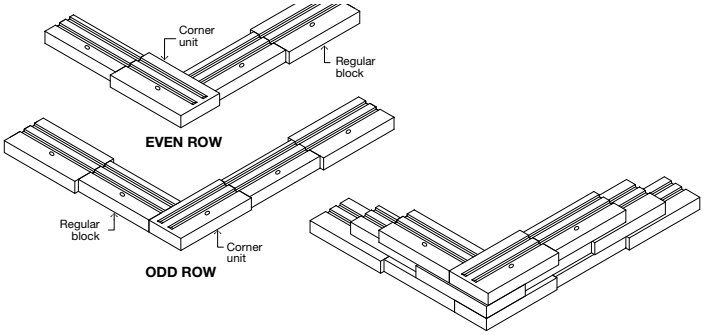
FREESTANDING WALLS - GRAPHIX



GRAPHIX

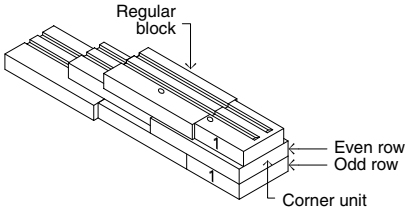
- **A.** TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** GRAPHIX DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 23 ½″ (600 mm) MAX.
- **F.** FOR THE FIRST ROW, ALWAYS USE THE DEEPER GRAPHIX BLOCK
- **G.** GEOTEXTILE
- **H.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

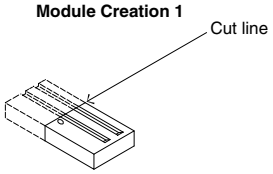
90° CORNER OF A DOUBLE-SIDED WALL



1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Connectors are not illustrated to avoid overloading the image.
5. It is possible to alternate the blocks (1, 2, 3 or 4) in the same row to create different patterns. However, a corner block (1A, 2A, 3A or 4A) must always be present at the end of a row and must be alternated for each subsequent row.
6. At the corner, make sure to place the blocks so that the grooves of the block cannot be seen.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



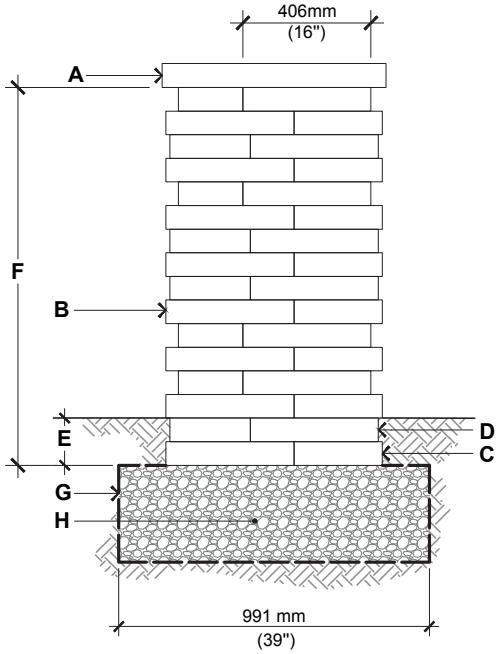


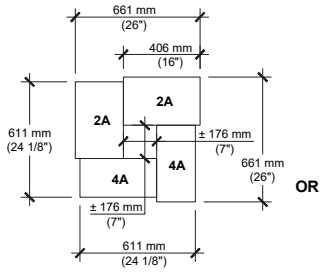
* It is possible to alternate the blocks (1, 2, 3 or 4) in the same row to create different patterns. However, a corner block and a cut corner block (1A, 2A, 3A or 4A) must always be present at the end of a row and must be alternated for each subsequent row.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

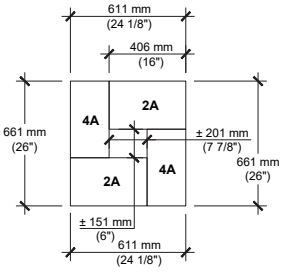
INSTALLATION GUIDE

PILLARS - GRAPHIX

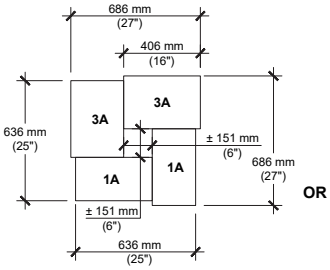




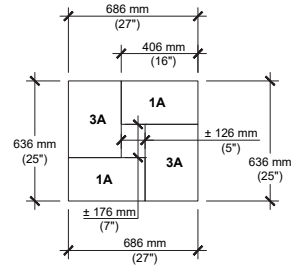
OR



EVEN ROW



OR



ODD ROW

NOTES:
- ALL UNITS MUST BE CUT ON FIELD
- USE A CHISEL FOR DESIRED SPLITTED TEXTURE FACE

GRAPHIX

A. PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)

B. GRAPHIX CORNER UNIT
SECURE EACH ROW WITH FLEXLOCK ADHESIVE
CUT EACH BLOCK AT 16″ (406 mm) FROM THE CORNER EDGE

C. USE THE BLOCKS 1A-3A FOR THE ODD ROWS

D. USE THE BLOCKS 2A-4A FOR THE EVEN ROWS

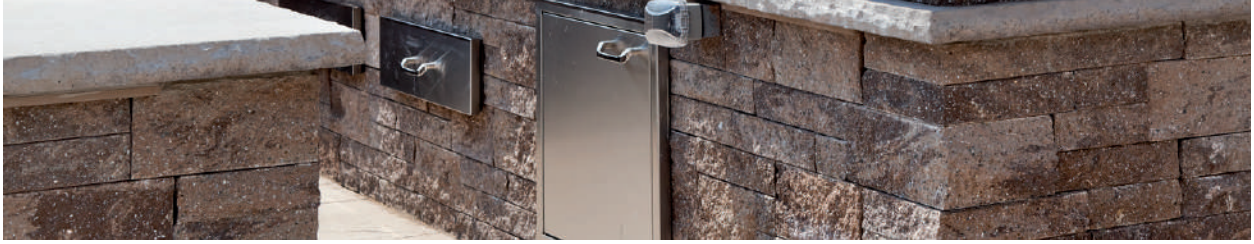
E. EMBEDMENT DEPTH 6″ (150 mm) MIN.

F. 23 5/8″ (600 mm) HEIGHT PER PALLET
47 1/4″ (1200 mm) MAXIMUM HEIGHT

G. GEOTEXTILE

H. COMPACTED GRANULAR BASE 6″ (150 mm) THICK MIN. THICKNESS
ACCORDING TO PROJECT SPECIFIC CONDITIONS

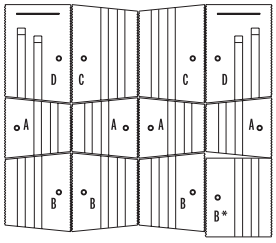
For all possible combinations of pillars and caps, please refer to the correspondence table on page 137



MINI-CRETA 3" ARCHITECTURAL

DESCRIPTION: Wall double-sided **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



PATENT
CND **2,114,677**
US **5,528,873**

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

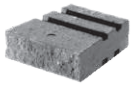
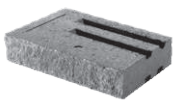
When building a double-sided wall one pallet will cover an average of 21.76 ft².

B* unit can be used as a regular or vertical unit.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**24 ft²**	2.23 m²
	95.01 lin. ft	28.96 lin. m
Approx. Weight	2 465 lbs	1 118 kg
Minimum radius	7 ft	2.1 m
Number of rows	8	
Coverage per row	3 ft²	0.28 m²
Linear coverage per row	11.88 lin. ft	3.62 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	2 15/16	75	32 units
	Depth	9 13/16	250	
	Length 1	9 1/16	230	
	Length 2	7 1/16	180	
B	Height	2 15/16	75	24 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	9 13/16	250	
B*	Height	2 15/16	75	8 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	11 13/16	300	
C	Height	2 15/16	75	16 units
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	12 13/16	325	
D	Height	2 15/16	75	16 units
	Depth	9 13/16	250	8 right corners
	Length 1	14 3/4	375	8 left corners
	Length 2	13 3/4	350	

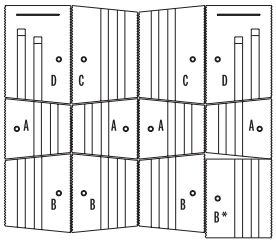




MINI-CRETA 6" ARCHITECTURAL

DESCRIPTION: Wall double-sided **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



D P **PATENT**
CND 2,114,677
US 5,528,873

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 27.21 ft².

B* unit can be used as a regular or vertical unit.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**30 ft²**	2.79 m²
	59.38 lin. ft	18.10 lin. m
Approx. Weight	3 086lbs	1 400 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft²	0.56 m²
Linear coverage per row	11.88 lin. ft	3.62 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	5 7/8	150	20 units
	Depth	9 13/16	250	
	Length 1	9 1/16	230	
	Length 2	7 1/16	180	
B	Height	5 7/8	150	15 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	9 13/16	250	
B*	Height	5 7/8	150	5 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	11 13/16	300	
C	Height	5 7/8	150	10 units
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	12 13/16	325	
D	Height	5 7/8	150	10 units
	Depth	9 13/16	250	5 right corners
	Length 1	14 3/4	375	5 left corners
	Length 2	13 3/4	350	

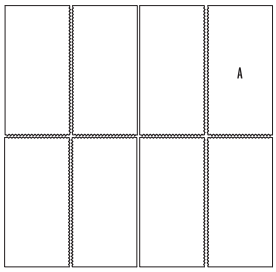




PILLAR 24" MINI-CRETA ARCHITECTURAL

DESCRIPTION: Pillar **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

Specifications per pallet		Imperial	Metric
PILLAR 24″×3″	Cubing	**48 units**	48 units
	Approx. Weight	1 537 lbs	697 kg
	Number of rows	6	
	Pillar height	35 7/16 in	900 mm



A



Unit dimensions	in	mm	Units/pallet
Height	2 15/16	75	48 units
Depth	8	203	
Length	16	406	

Specifications per pallet		Imperial	Metric
PILLAR 24″×6″	Cubing	**24 units**	24 units
	Approx. Weight	1 510 lbs	685 kg
	Number of rows	3	
	Pillar height	35 7/16 in	900 mm



A



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	8	203	
Length	16	406	

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

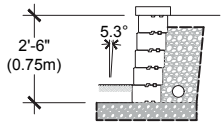


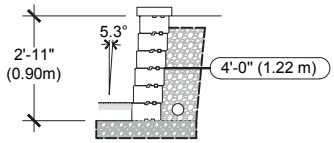
TECHO—BLOC

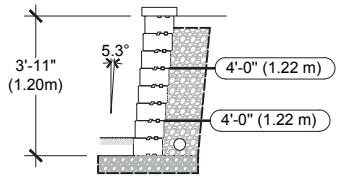
DESIGN CHART
MINI-CRETA 6”
(EQUIVALENT TO TWICE THE MINI-CRETA 3”)
SETBACK POSITION

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

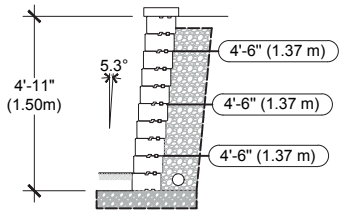
CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

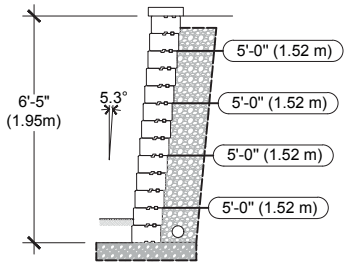


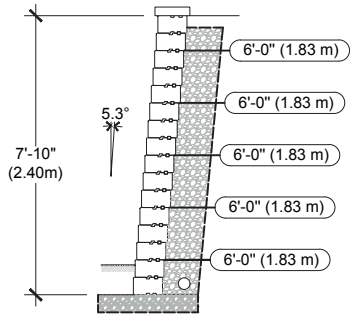




VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)







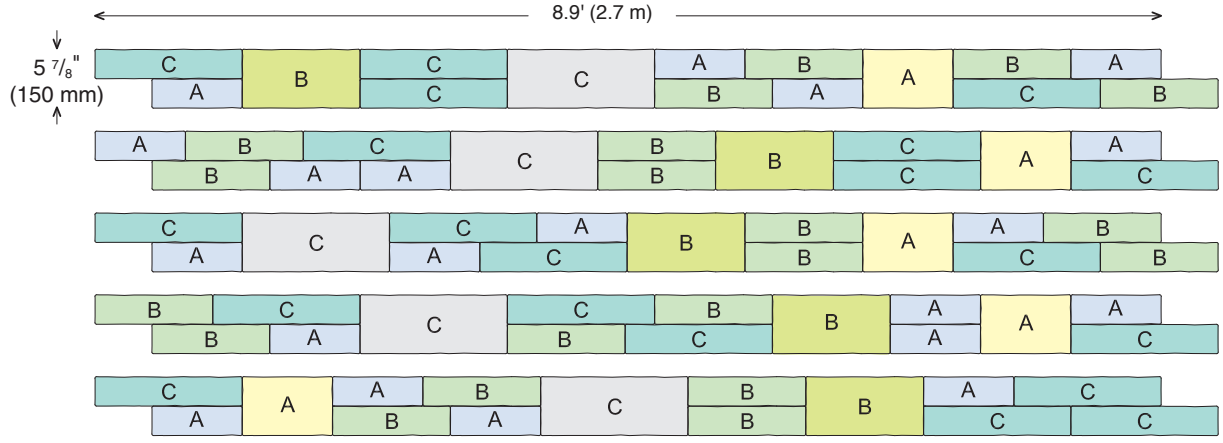
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ =34°, γ = 120 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

INSTALLATION GUIDE

RETAINING WALLS - MINI-CRETA 3″ AND 6″

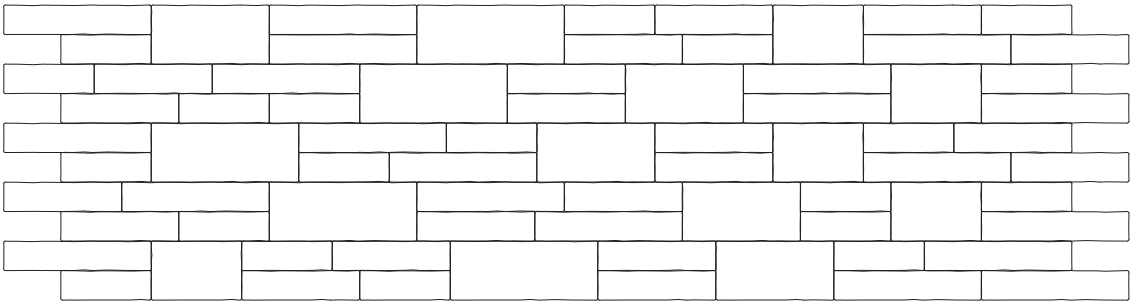
1-Row Pattern | Laying Patterns

The 1-row pattern provides five different combinations. Each combination is 8.9′ (2.7 m) long and 5 ⅞″ (150 mm) high. **This pattern can be used to lay the last course of units or when the other models cannot be used.**



NUMBER OF BLOCKS REQUIRED — MODULE

MINI-CRETA	A	B OR B*	C OR D
67% of the surface - Mini-Creta 3″	4	4	4
33% of the surface - Mini-Creta 6″	1	1	1



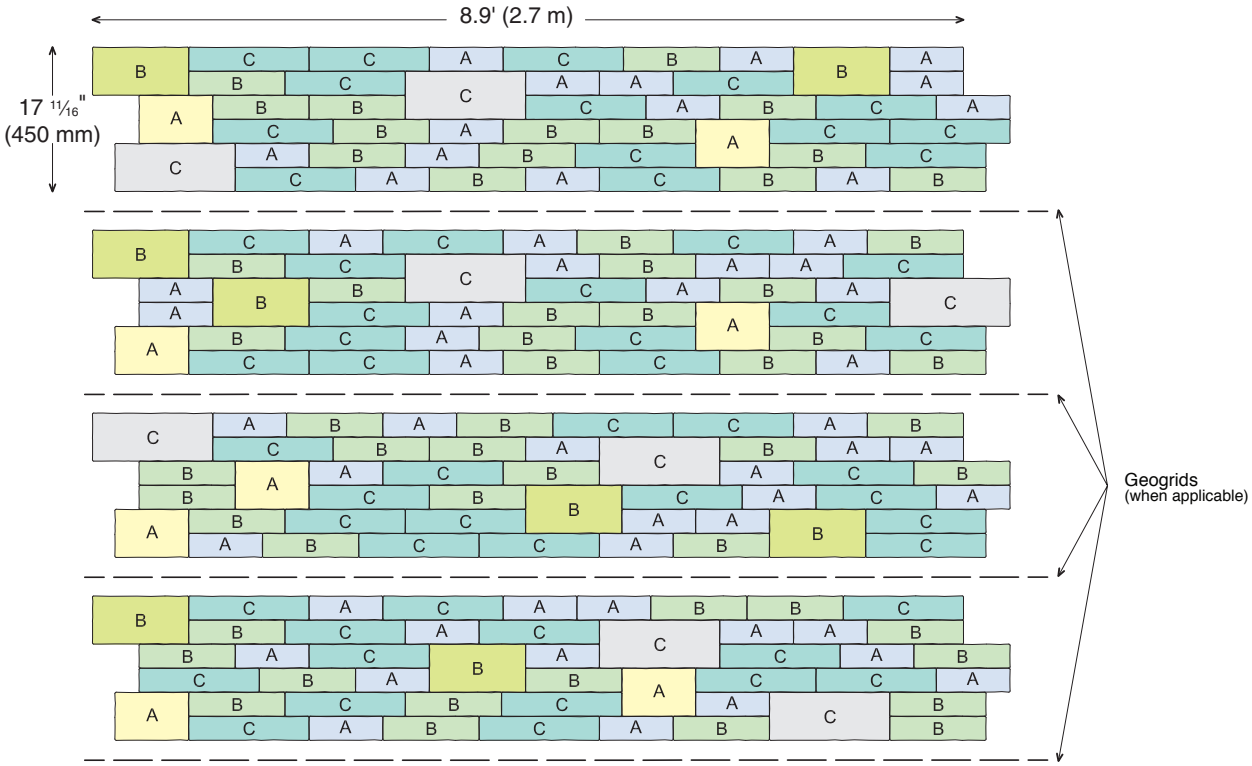
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

RETAINING WALLS - MINI-CRETA 3″ AND 6″

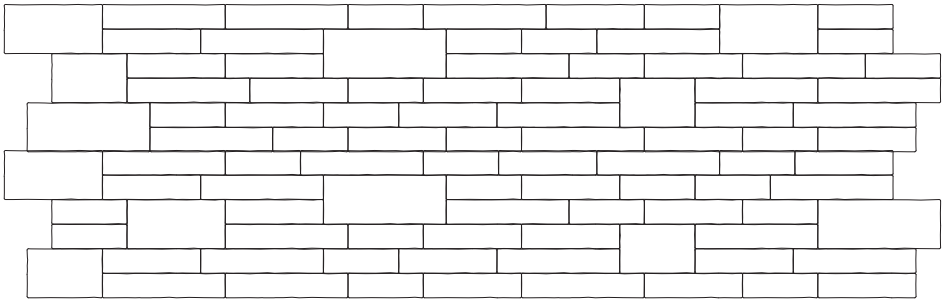
3-Row Pattern | Laying Patterns

The 3-row pattern provides four different combinations. Each combination is 8.9′ (2.7 m) long and 17 11⁄16″ (450 mm) high. This pattern gives a leveled surface every 17 11⁄16″ (450 mm), which is the recommended spacing between two layers of geogrid in a Mini-Creta wall. **This pattern is recommended when using geogrid.**



NUMBER OF BLOCKS REQUIRED — MODULE

MINI-CRETA	A	B OR B*	C OR D
78% of the surface - Mini-Creta 3″	14	14	14
22% of the surface - Mini-Creta 6″	2	2	2

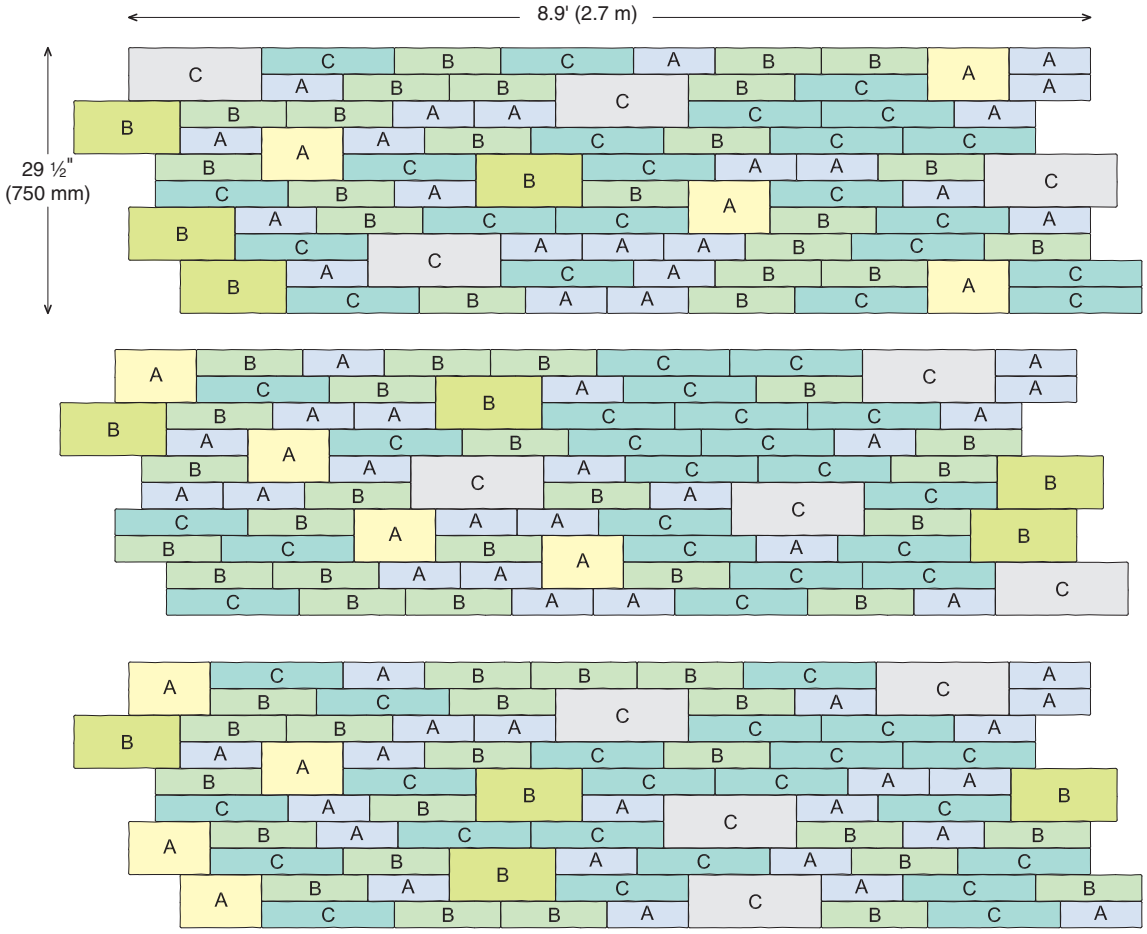


INSTALLATION GUIDE

RETAINING WALLS - MINI-CRETA 3″ AND 6″

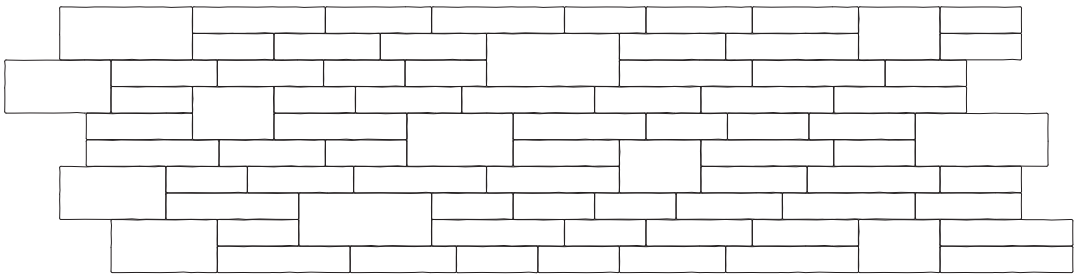
5-Row Pattern | Laying Patterns

The 5-row pattern provides three different combinations. Each combination is 8.9′ (2.7 m) long and 29 ½″ (750 mm) high. **This pattern should only be used when geogrid is not required.**



NUMBER OF BLOCKS REQUIRED — MODULE

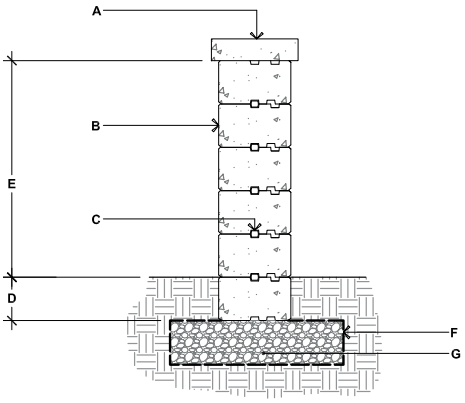
MINI-CRETA	A	B OR B*	C OR D
73% of the surface - Mini-Creta 3″	22	22	22
27% of the surface - Mini-Creta 6″	4	4	4



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

FREESTANDING WALLS - MINI-CRETA 3″ AND 6″



MINI-CRETA 3″ & 6″

A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE

B. MINI-CRETA 3″ AND 6″ DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE

C. CONNECTOR

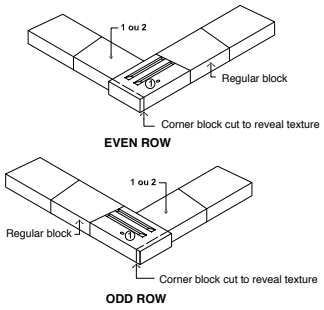
D. EMBEDMENT DEPTH, 6″ (150 mm) MIN.

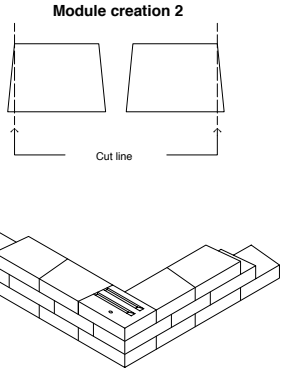
E. 29 7/16″ (750 mm) MAX.

F. GEOTEXTILE

G. COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL

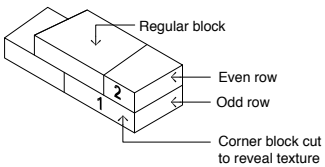


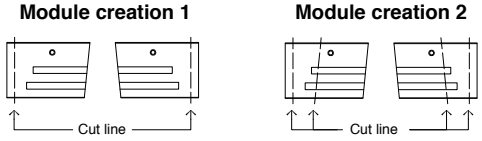


The corner block must be cut to reveal the texture

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.
5. It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a corner block must always be present at the end of a row and must be alternated for each subsequent row.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL

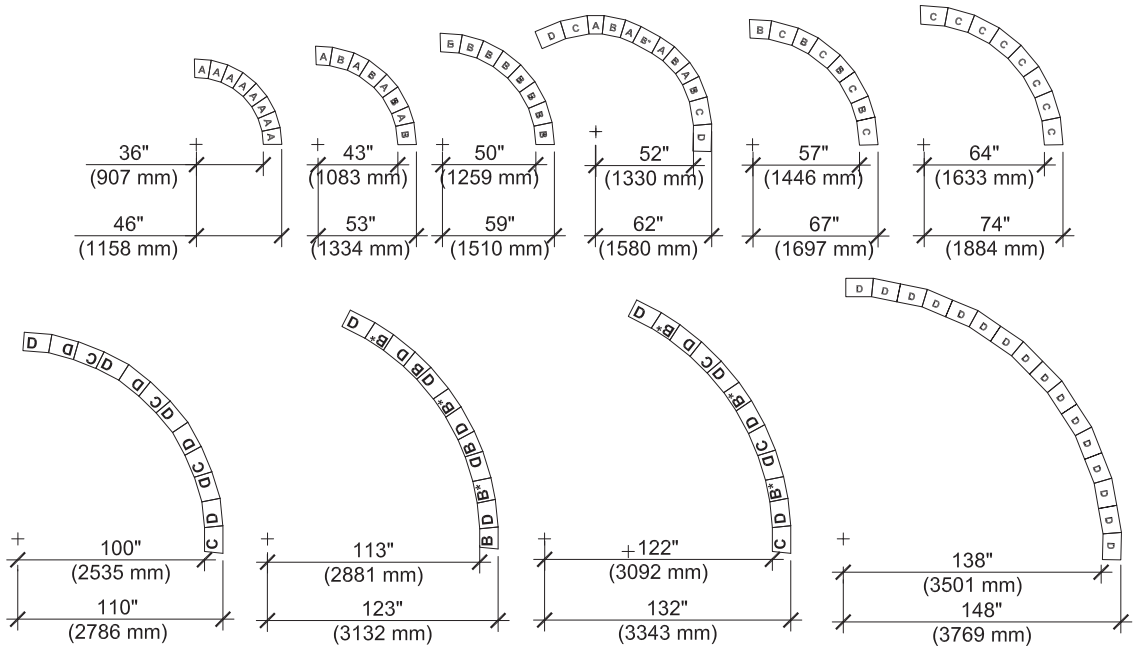




* It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a corner block must always be present at the end of a row and must be alternated for each subsequent row.

INSTALLATION GUIDE

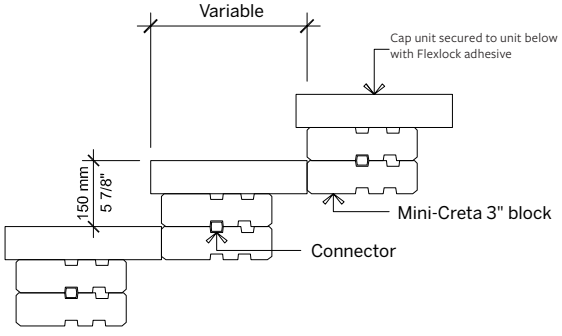
DOUBLE-SIDED WALL RADIUS - MINI-CRETA 3″ AND 6″



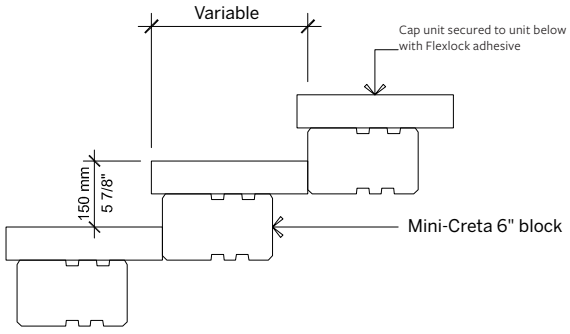
It is the user's responsibility to verify for the quantity of materials required.

STEPS

MINI-CRETA 3″



MINI-CRETA 6″

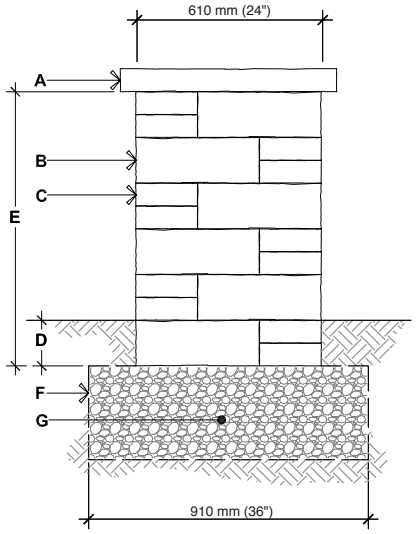


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

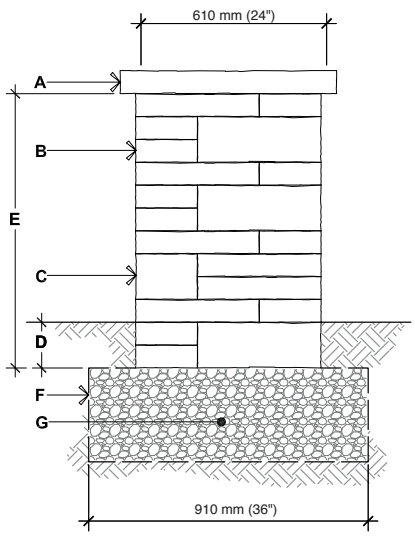
INSTALLATION GUIDE

PILLARS- MINI-CRETA 3″ AND 6″



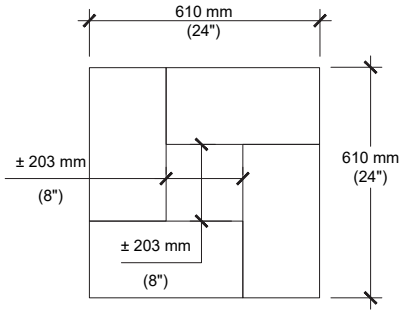
PILLAR 24″×3″ & 24″×6″
MINI-CRETA - OPTION A

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PILLAR 24″ × 6″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** PILLAR 24″ × 3″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT 6″ (150 mm) MIN.
- **E.** 35 7/16″ (900 mm) 47 ¼″ (1200 mm), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PILLAR 24″×3″ & 24″×6″
MINI-CRETA - OPTION B

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PILLAR 24″ × 3″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** PILLAR 24″ × 6″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT 6″ (150 mm) MIN.
- **E.** 35 7/16″ (900 mm) 47 ¼″ (1200 mm), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

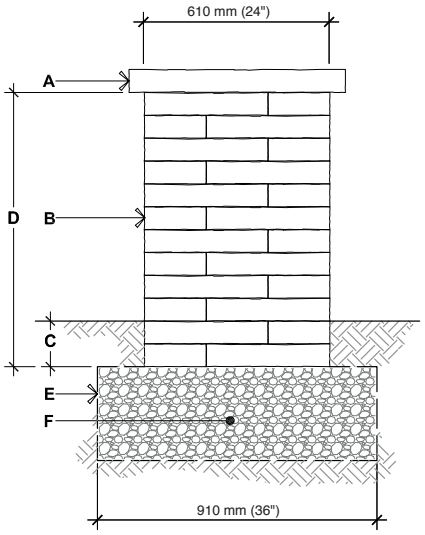


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

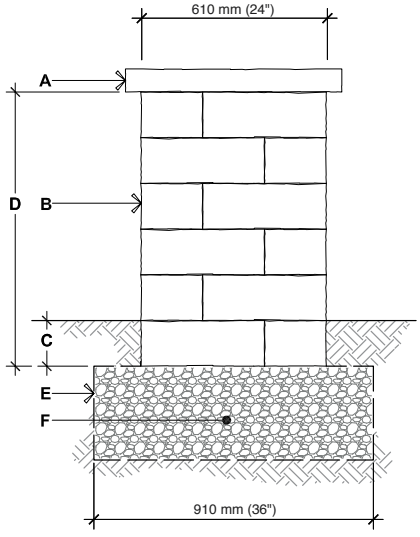
PILLARS- MINI-CRETA 3″ AND 6″



PILLAR 24″×3″

MINI-CRETA

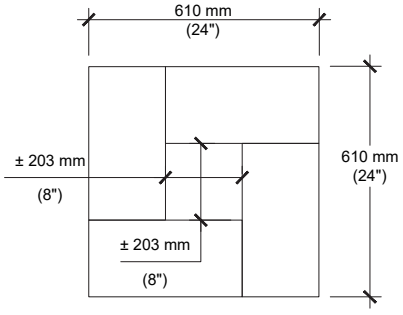
- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PILLAR 24″ × 3″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT 6″ (150 mm) MIN.
- **D.** 35 7/16″ (900 mm), HEIGHT PER PALLET 47 1/4″ (1200 mm), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PILLAR 24″×6″

MINI-CRETA

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PILLAR 24″ × 6″ (MINI-CRETA) UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT 6″ (150 mm) MIN.
- **D.** 35 7/16″ (900 mm), HEIGHT PER PALLET 47 1/4″ (1200 mm), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

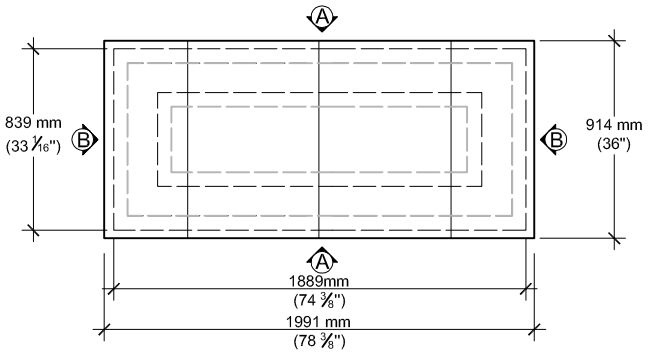


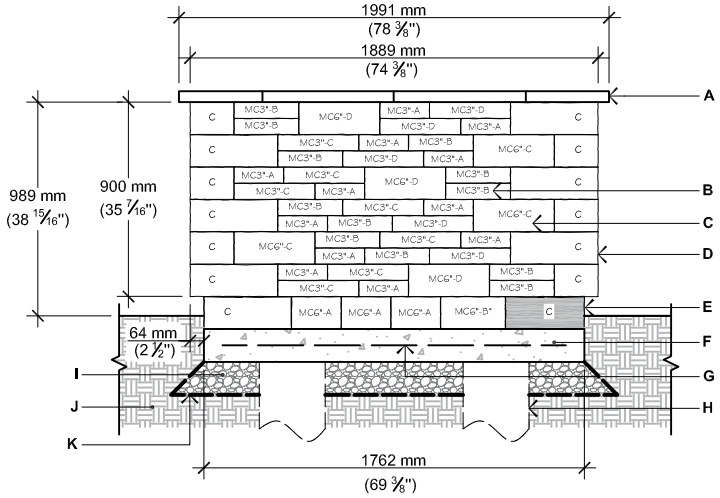
For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

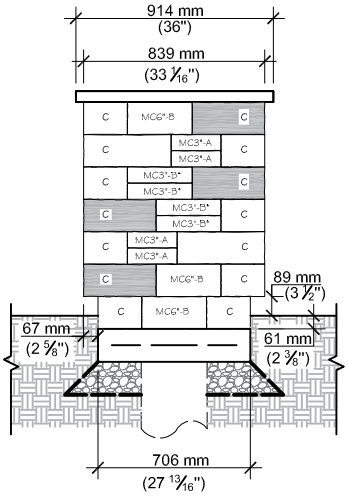
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

GRILL ISLAND 6 FT - MINI-CRETA 3″ AND 6″







ELEVATION A

ELEVATION B

A. YORK COUNTER TOP 24″ × 36″ × 2 ¼″

B. MINI-CRETA 3″ UNIT (A, B, B*, C, OR D)

C. MINI-CRETA 6″ UNIT (A, B, B*, C, OR D)

D. PILLAR 24″ × 36″ (MINI-CRETA) UNIT

E. PILLAR 24″ × 36″ (MINI-CRETA) UNIT (CUT ON FIELD)

F. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

G. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

H. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

I. ¾″ (20 mm) CLEAN STONE 6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

J. NATURAL SOIL OR COMPACTED BACKFILL

K. GEOTEXTILE

QUANTITY OF MATERIALS REQUIRED

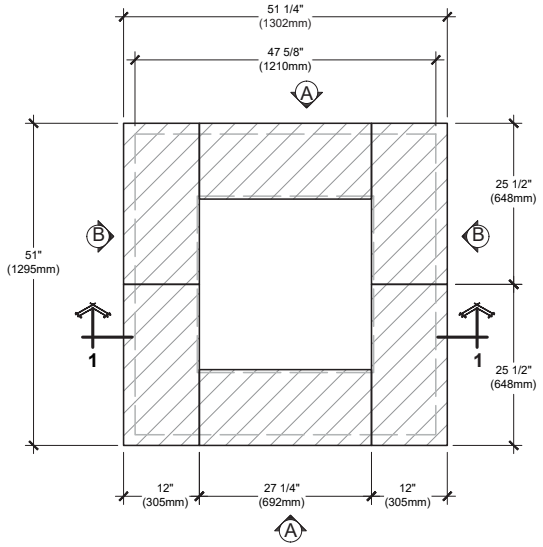
- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Mini-Creta 3″ unit: **32** A, **24** B, **8** B*, **14** C, **10** D
- Mini-Creta 6″ unit: **6** A, **6** B, **2** B*, **6** C, **6** D
- Pillar 24″ × 6″ (Mini-Creta) unit: **28**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

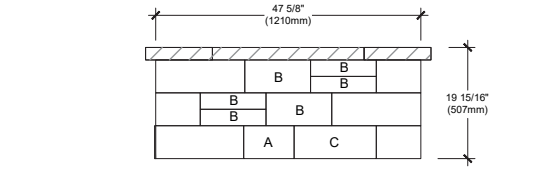
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

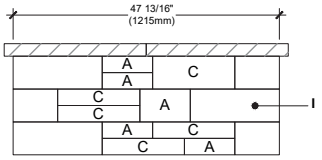
SQUARE FIRE PIT - MINI-CRETA 3″ AND 6″



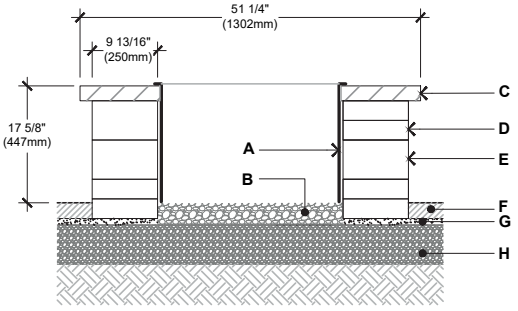
TOP



ELEVATION A



ELEVATION B



SECTION 1-1

CUT ON FIELD

- **A.** STEEL BOX INSERT
- **B.** CLEAN CTONE 3/4″ (20 mm), 4″ (100 mm) THICK
- **C.** PIEDIMONTE CAP (12″X30″)
- **D.** MINI-CRETA 3″ BLOCK
- **E.** MINI-CRETA 6″ BLOCK
- **F.** TECHO-BLOC PAVERS OR SLABS
- **G.** SETTING BED 1″ (25 mm)
- **H.** COMPACTED GRANULAR 0- 3/4″ (0-20 mm)
- **I.** PILLAR 24″X6″ MINI-CRETA

QUANTITY OF MATERIALS REQUIRED

- Piedimonte Cap: 6
- Mini-Creta 3″ A: 8
- Mini-Creta 3″ (B or B*): 8
- Mini-Creta 3″ (C or D): 8
- Mini-Creta 6″ A: 4
- Mini-Creta 6″ (B or B*): 4
- Mini-Creta 6″ (C or D): 4
- Pillar 24″x6″ Mini-Creta: 12

NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

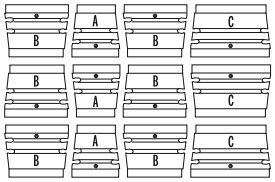
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



PRESCOTT 2.25″

DESCRIPTION: Wall double-sided **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 25.23 ft².

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 132 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**27 ft²**	2.51 m²
	144 lin. ft	43.89 lin. m
Approx. Weight	2 661 lbs	1 207 kg
Minimum radius	5.2 ft	1.6 m
Number of rows	12	
Coverage per row	2.25 ft²	0.21 m²
Linear coverage per row	12 lin. ft	3.66 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¼	57	36 units
	Depth	9 13⁄16	250	
	Length 1	9	229	
	Length 2	7 7⁄16	189	
B	Height	2 ¼	57	72 units
	Depth	9 13⁄16	250	
	Length 1	12	305	
	Length 2	10 7⁄16	265	
C	Height	2 ¼	57	36 units
	Depth	9 13⁄16	250	
	Length 1	15	381	
	Length 2	13 7⁄16	341	

Rock Garden Brown



Victoria



Riviera

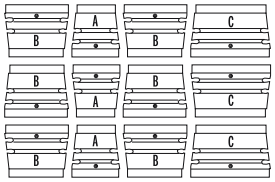




PRESCOTT 4.5″

DESCRIPTION: Wall double-sided **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 25.23 ft².

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

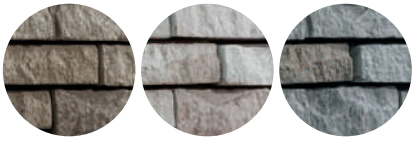
The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 132 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**27 ft²**	2.51 m²
	72 lin. ft	21.95 lin. m
Approx. Weight	2 728 lbs	1 237 kg
Minimum radius	5.2 ft	1.6 m
Number of rows	6	
Coverage per row	4.50 ft²	0.42 m²
Linear coverage per row	12 lin. ft	3.66 lin. m



	Unit dimensions	in	mm	Units/pallet
A	Height	4 ½	114	18 units
	Depth	9 13⁄16	250	
	Length 1	9	229	
	Length 2	7 7⁄16	189	
B	Height	4 ½	114	36 units
	Depth	9 13⁄16	250	
	Length 1	12	305	
	Length 2	10 7⁄16	265	
C	Height	4 ½	114	18 units
	Depth	9 13⁄16	250	
	Length 1	15	381	
	Length 2	13 7⁄16	341	





PRESCOTT

DESCRIPTION: Corners and pillars **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 132 to 153 for more technical information.

Specifications per pallet		Imperial	Metric
2.25″	Cubing	**72 units**	72 units
	Approx. Weight	1 789 lbs	811 kg
	Number of rows	8	
	Pillar height	40 ½ in	1 029 mm



A



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	72 units
Depth	9 13⁄16	250	
Length	14 3⁄16	360	

Specifications per pallet		Imperial	Metric
4.5″	Cubing	**36 units**	36 units
	Approx. Weight	1 871 lbs	849 kg
	Number of rows	4	
	Pillar height	40 ½″	1 029 mm



A



Unit dimensions	in	mm	Units/pallet
Height	4 ½	114	36 units
Depth	9 13⁄16	250	
Length	14 3⁄16	360	

Rock Garden Brown



Victoria

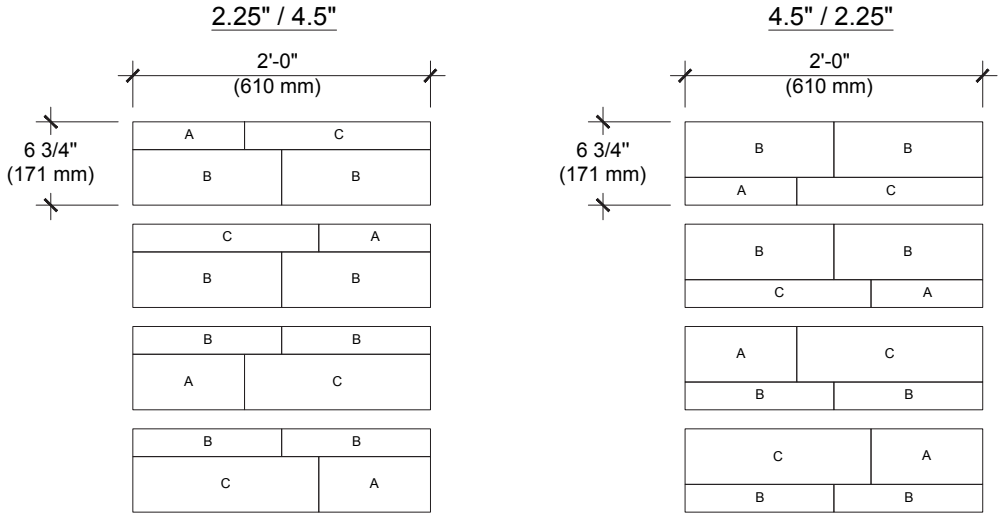


Riviera

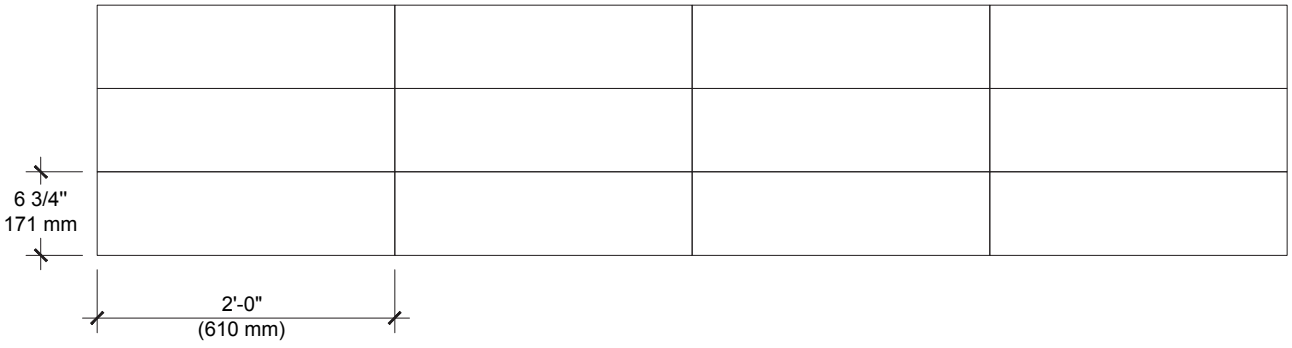


PRESCOTT RETAINING WALL – LAYING PATTERNS

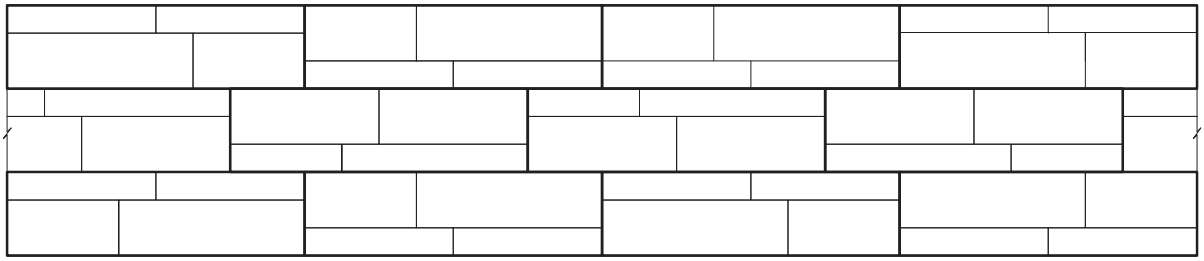
The different modules of the Prescott retaining wall allow the installation of different block combinations.
Eight combinations are shown as an example. Each combination is 24″ (610 mm) long and 6 3/4″ (171 mm) high.



The wall installation will be facilitated if the height of the wall is calculated in multiples of 6 3/4″ and the length in multiples of 24″.



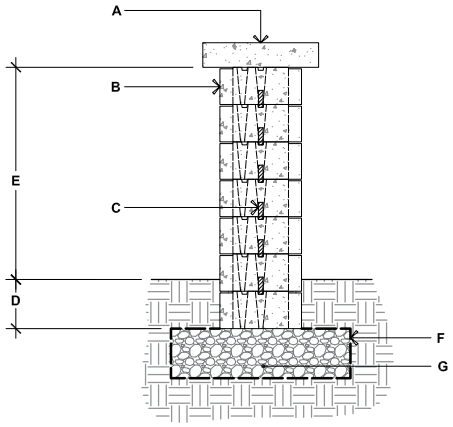
Percentage of blocks required
Prescott 2.25″: 33 % of the surface
Prescott 4.5″: 67 % of the surface



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

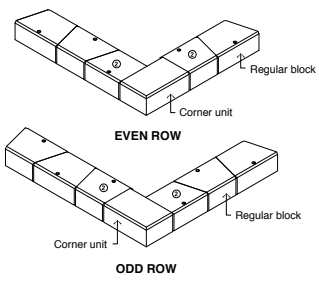
FREESTANDING WALLS - PRESCOTT 2.25″ & 4.5″

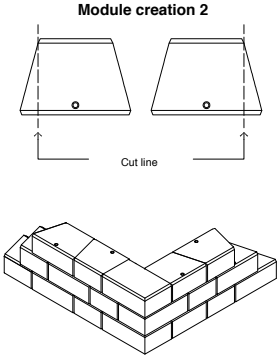


PRESCOTT 2.25″ & 4.5″

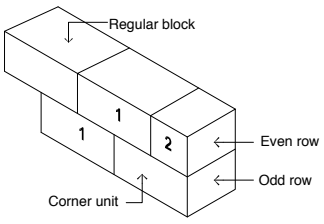
- **A.** TECHO-BLOC CAP UNIT, SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** PRESCOTT 2.25″ AND 4.5″ DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 25 ½″ (650 mm) MAX.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

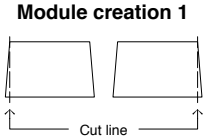
90° CORNER OF A DOUBLE-SIDED WALL

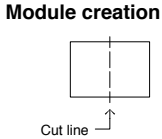




DOUBLE-SIDED WALL - END OF A STRAIGHT WALL







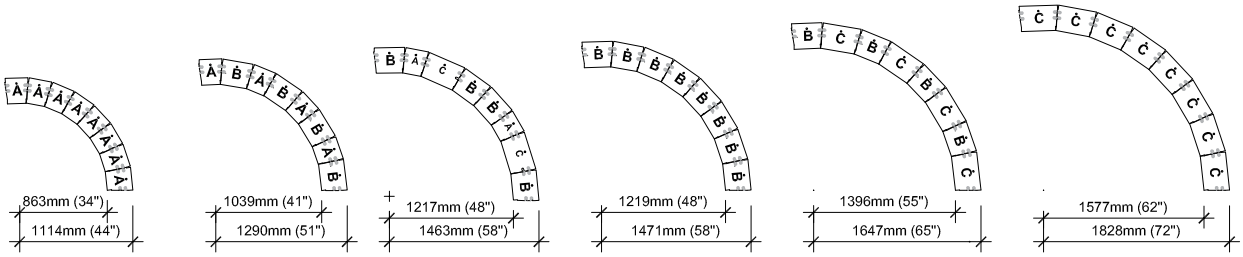
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

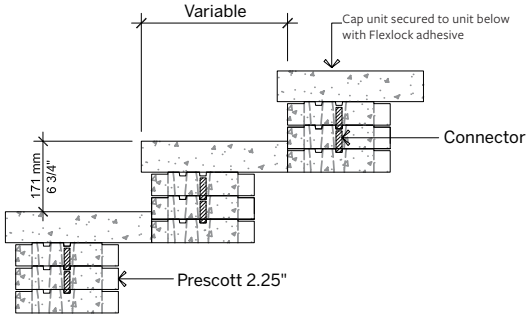
INSTALLATION GUIDE

DOUBLE-SIDED WALL RADIUS - PRESCOTT 2.25″ & 4.5″



It is the user's responsibility to verify for the quantity of materials required.

STEPS

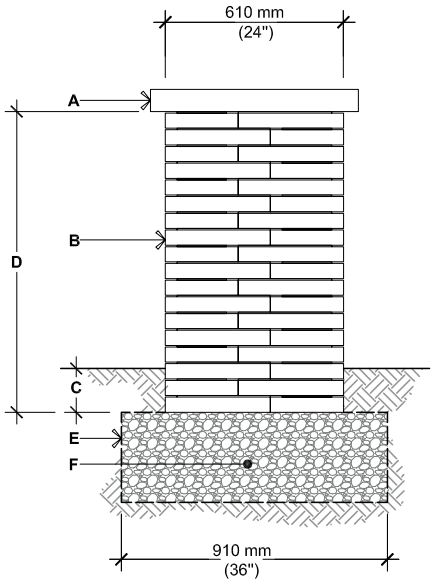


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

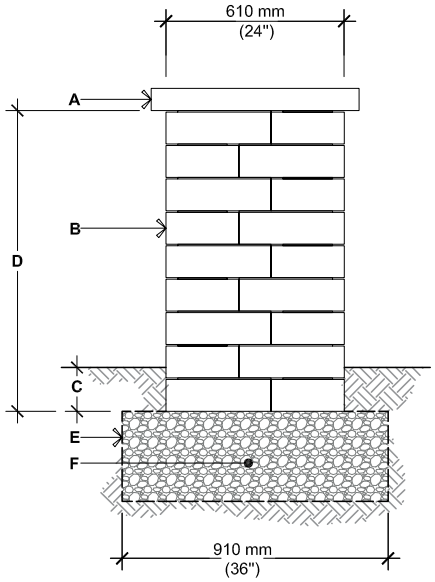
INSTALLATION GUIDE

PILLARS - PRESCOTT 2.25″ & 4.5″



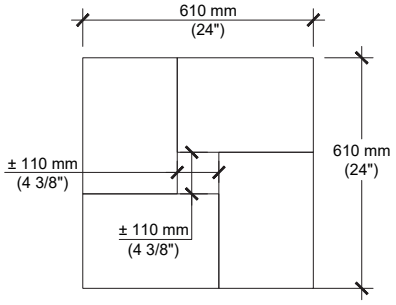
PRESCOTT 2.25″

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PRESCOTT 2.25″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **D.** 40 ½″ (1 029 mm), HEIGHT PER PALLET 45″ (1 143 mm), MAX. HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PRESCOTT 4.5″

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PRESCOTT 4.5″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **D.** 40 ½″ (1 029 mm), HEIGHT PER PALLET 45″ (1 143 mm), MAX. HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

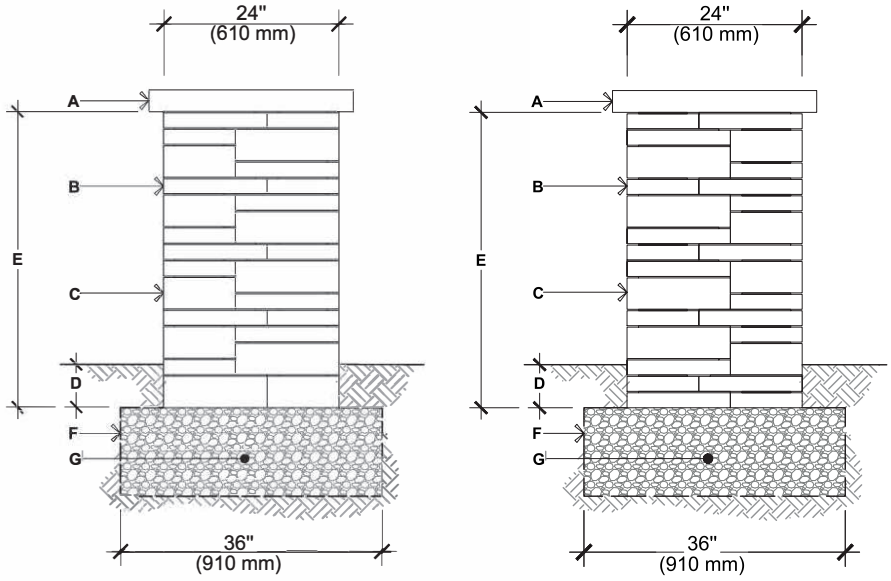


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - PRESCOTT 2.25″ & 4.5″



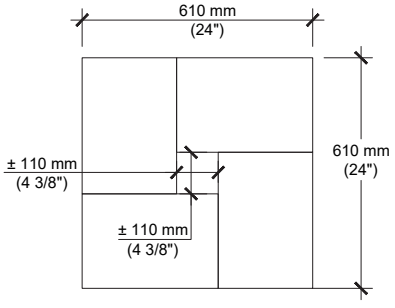
PRESCOTT 2.25″ & 4.5″
OPTION A

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PRESCOTT 2.25″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** PRESCOTT 4.5″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 40 ½″ (1 029 mm) 45″ (1 143 mm), MAX. HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

PRESCOTT 2.25″ & 4.5″
OPTION B

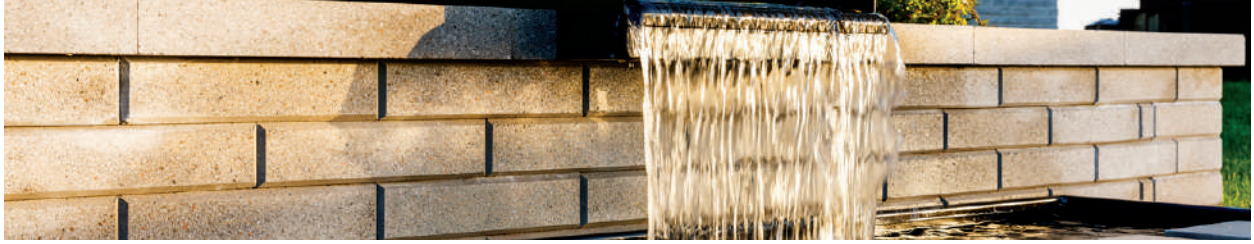
- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** PRESCOTT 2.25″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** PRESCOTT 4.5″ PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 40 ½″ (1 029 mm) 45″ (1 143 mm), MAX. HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

NOTE: Two pillars of 40 ½″ total height (one option A and one option B) required one pallet of Prescott 4.5″ Pillar unit and one pallet of Prescott 2.25″ Pillar unit.



For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

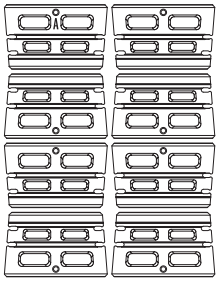
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



RAFFINATO 90 & 180 mm

DESCRIPTION: Wall **TEXTURE:** Polished (on a single-side only)

PALLET OVERVIEW
90 mm & 180 mm



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

Polished only on one side, Smooth on the other side.

See page 138 to 153 for more technical information.

Polished is made-to-order, minimum order of 500 sq. ft. Deposit required.

*Shale Grey is available in Canada only.

Specifications per pallet		Imperial	Metric
90 mm	Cubing	**23.08 ft²**	2.14 m²
		78.15 lin ft	23.82 lin m
	Approx. Weight	1 948 lbs	884 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	3	
	Coverage per row	7.69 ft²	0.71 m²
	Linear coverage per row	26.05 lin ft	7.94 lin m



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	60 units
Depth	9 3/4	248	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**23.08 ft²**	2.14 m²
		39.07 lin ft	11.91 lin m
	Approx. Weight	1 936 lbs	878 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	3	
	Coverage per row	7.69 ft²	0.71 m²
	Linear coverage per row	13.02 lin ft	3.97 lin m



A



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	30 units
Depth	9 3/4	248	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

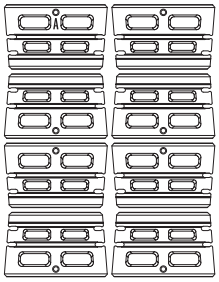




RAFFINATO 90 & 180 mm

DESCRIPTION: Wall double-sided **TEXTURE:** Smooth

PALLET OVERVIEW
90 mm & 180 mm



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 23.53 ft².

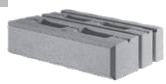
See page 138 to 153 for more technical information.

*Shale Grey is available in Canada only.

Specifications per pallet		Imperial	Metric
90 mm	Cubing	**24.61 ft²**	2.29 m²
		83.36 lin. ft	25.41 lin. m
	Approx. Weight	2 060 lbs	934 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	8	
	Coverage per row	3.08 ft²	0.29 m²
	Linear coverage per row	10.42 lin. ft	3.18 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	64 units
Depth	9 13/16	249	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**24.61 ft²**	2.29 m²
		41.68 lin. ft	12.70 lin. m
	Approx. Weight	2 071 lbs	939 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	4	
	Coverage per row	6.15 ft²	0.57 m²
	Linear coverage per row	10.42 lin. ft	3.18 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	32 units
Depth	9 13/16	249	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

Beige Cream
Smooth



Greyed Nickel
Smooth



Shale Grey*
Smooth



Onyx Black
Smooth

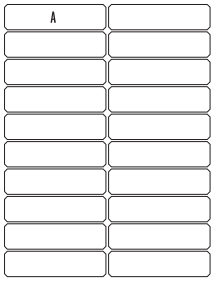




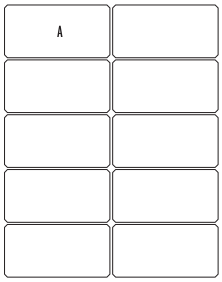
RAFFINATO 90 & 180 mm

DESCRIPTION: Pillars, corners and edges **TEXTURE:** Polished (on a single-side only)

PALLET OVERVIEW - 90 mm



PALLET OVERVIEW - 180 mm



Specifications per pallet		Imperial	Metric
90 mm	Cubing	**40 units**	40 units
	Approx. Weight	1 559 lbs	707 kg
	Number of rows	2	
	Pillar height	35 7/16"	900 mm





Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	40 units
Depth	9 3/4	248	
Length	14 1/16	357	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**20 units**	20 units
	Approx. Weight	1 557 lbs	706 kg
	Number of rows	2	
	Pillar height	35 7/16"	900 mm





Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	20 units
Depth	9 3/4	248	
Length	14 1/16	357	

D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

Polished only on one side, Smooth on the other side.

See page 138 to 153 for more technical information.

Polished is made-to-order, minimum order of 500 sq. ft. Deposit required.

*Shale Grey is available in Canada only.

Beige Cream Smooth



Greyed Nickel Smooth



Shale Grey* Smooth



Onyx Black Smooth



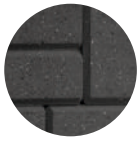
Beige Cream Polished



Greyed Nickel Polished



Onyx Black Polished

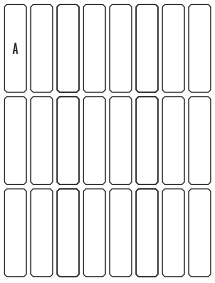




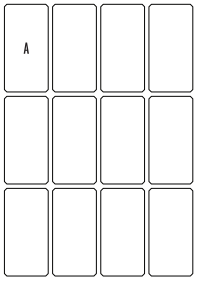
RAFFINATO 90 & 180 mm

DESCRIPTION: Pillars, corners and edges **TEXTURE:** Smooth

PALLET OVERVIEW - 90 mm



PALLET OVERVIEW - 180 mm



Specifications per pallet		Imperial	Metric
90 mm	Cubing	**48 units**	48 units
	Approx. Weight	1 548 lbs	702 kg
	Number of rows	2	
	Pillar height	42 ½ in	1 080 mm





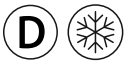
Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	48 units
Depth	9 13/16	249	
Length	14 1/8	359	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**24 units**	24 units
	Approx. Weight	1 529 lbs	694 kg
	Number of rows	2	
	Pillar height	42 ½ in	1 080 mm





Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	24 units
Depth	9 13/16	249	
Length	14 1/8	359	



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

*Shale Grey is available in Canada only.

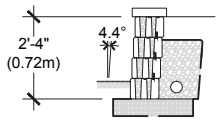


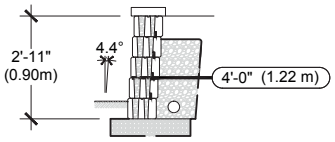
TECHO—BLOC

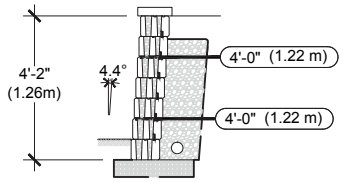
DESIGN CHART
RAFFINATO 180 mm
(EQUIVALENT TO TWICE THE RAFFINATO 90 mm)
SETBACK POSITION

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

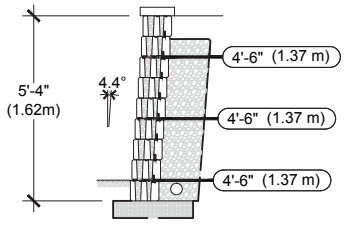
CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

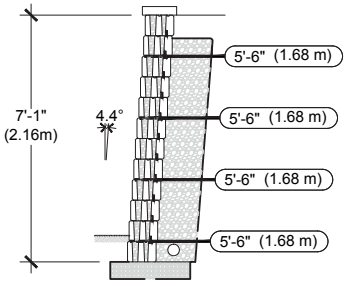


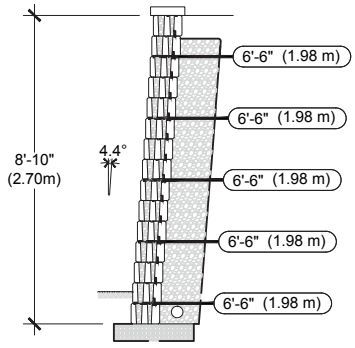




VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)







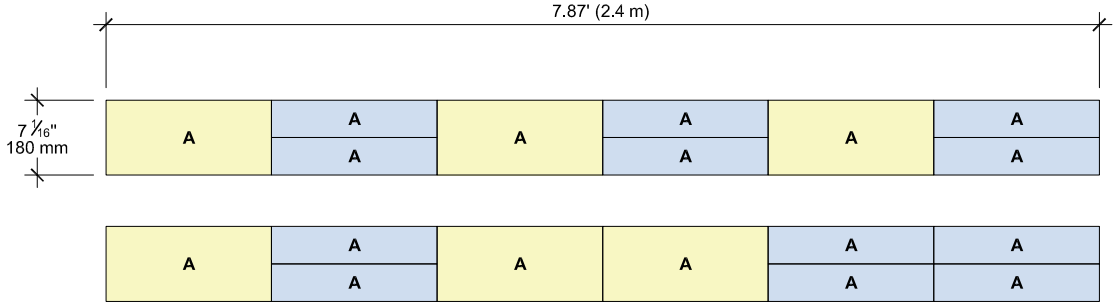
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ =34°, γ = 120 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

INSTALLATION GUIDE

RETAINING WALLS - RAFFINATO 90 mm & 180 mm

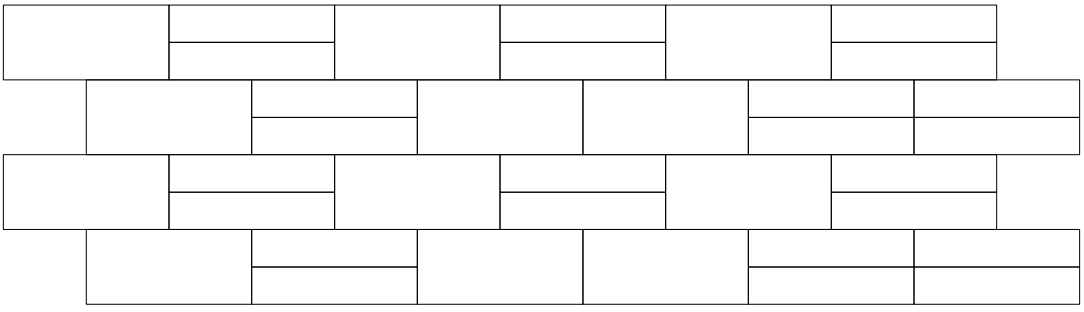
1-Row Pattern | Laying Patterns

The single row model shows two examples combination. Each combination is 2.4 m (7.87″) long and 180 mm (7 1/16″) high. **This model can be used for installing the last row of modules or where other models cannot be used.**



NUMBER OF BLOCKS REQUIRED MODULE

RAFFINATO	**A**
50 % of the surface - Raffinato 90 mm	6
50 % of the surface - Raffinato 180 mm	3



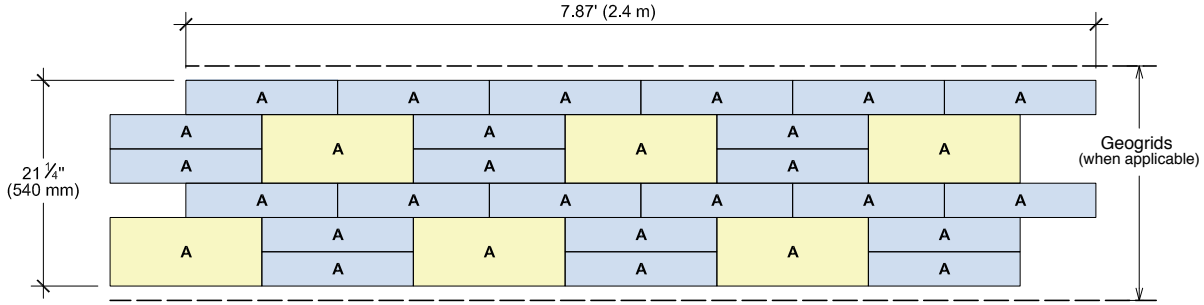
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

RETAINING WALLS - RAFFINATO 90 mm & 180 mm

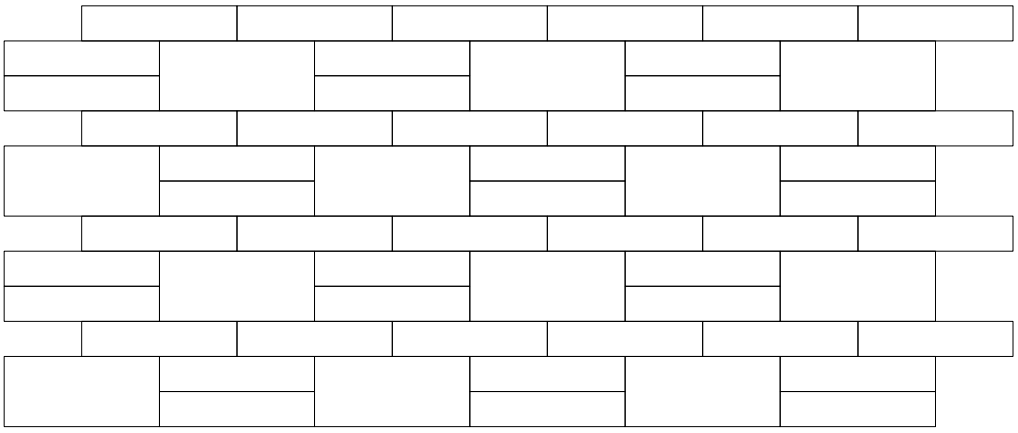
3-Row Pattern | Laying Patterns

The 3-row model is 2.4 m (7.87′) long and 540 mm (21 ¼″) high. This model allows for a graded area at every 540 mm (21 ¼″), which corresponds to the recommended spacing between the layers of geogrid in a Raffinato wall. **This model is recommended when using geogrid.**



NUMBER OF BLOCKS REQUIRED MODULE

RAFFINATO	**A**
67 % of the surface - Raffinato 90 mm	24
33 % of the surface - Raffinato 180 mm	6

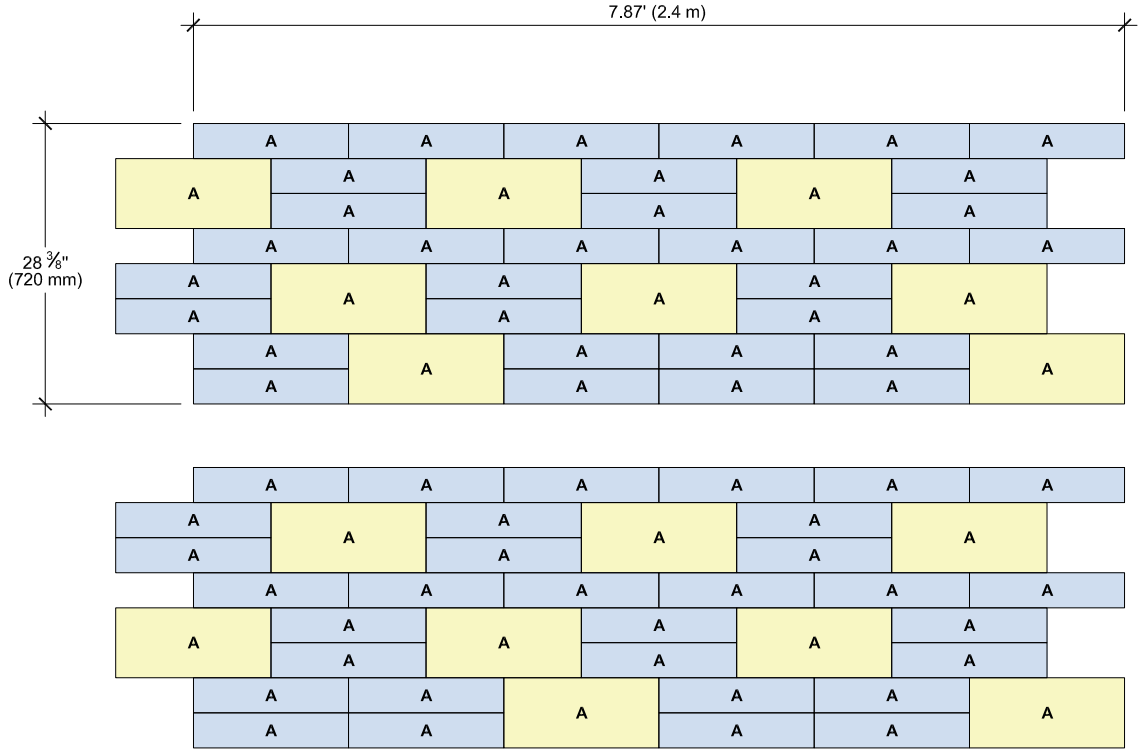


INSTALLATION GUIDE

RETAINING WALLS - RAFFINATO 90 mm & 180 mm

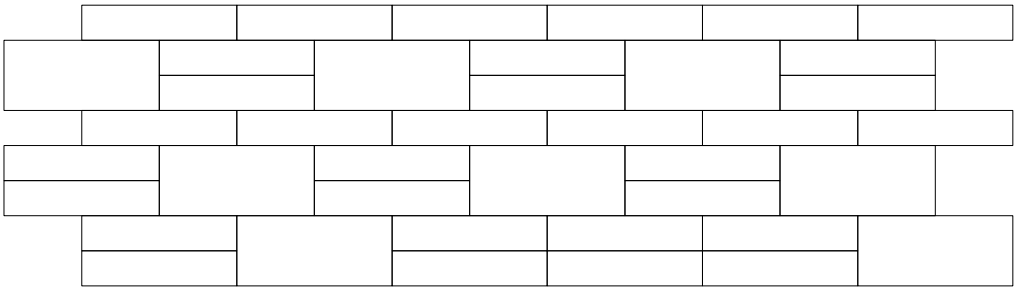
4-Row Pattern | Laying Patterns

The 4-row model shows two combination examples. This combination is 2.4 m (7,87′) long and 720 mm (28 ⅜″) high. **This model should only be used where geogrid is not required.**



NUMBER OF BLOCKS REQUIRED MODULE

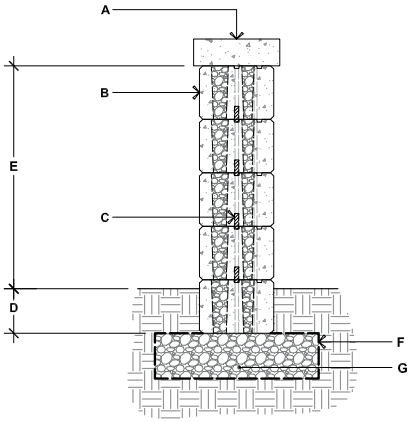
RAFFINATO	A
67 % of the surface - Raffinato 90 mm	32
33 % of the surface - Raffinato 180 mm	8



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

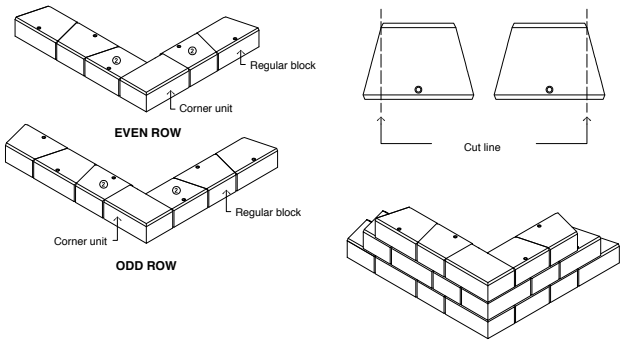
FREESTANDING WALLS - RAFFINATO 90 mm & 180 mm



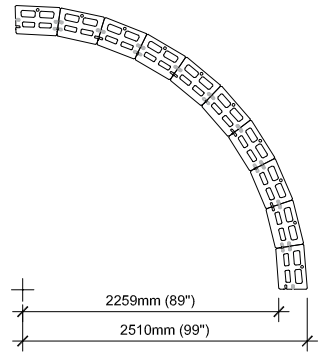
RAFFINATO 90 mm & 180 mm

- **A.** TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** RAFFINATO 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 29 7/16″ (750 mm) MAX.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL

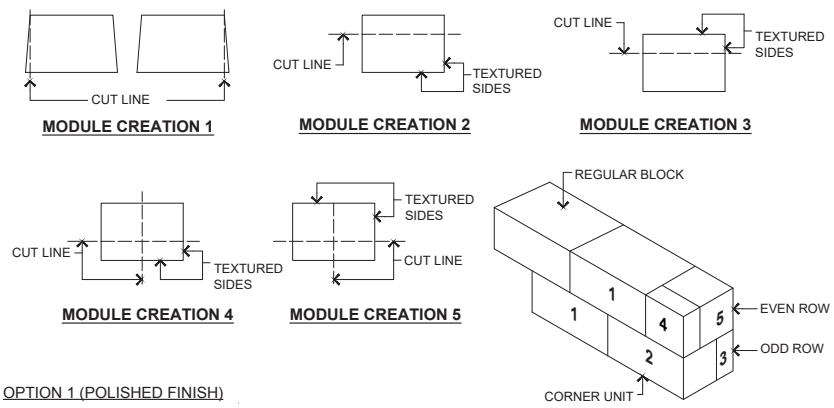


DOUBLE-SIDED WALL RADIUS

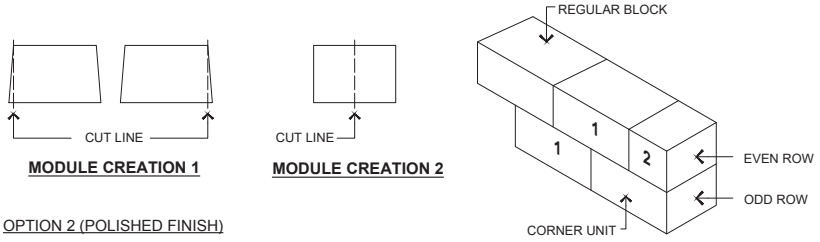


It is the user's responsibility to verify for the quantity of materials required.

DOUBLE SIDED WALL - END OF A STRAIGHT WALL



OPTION 1 (POLISHED FINISH)



OPTION 2 (POLISHED FINISH)

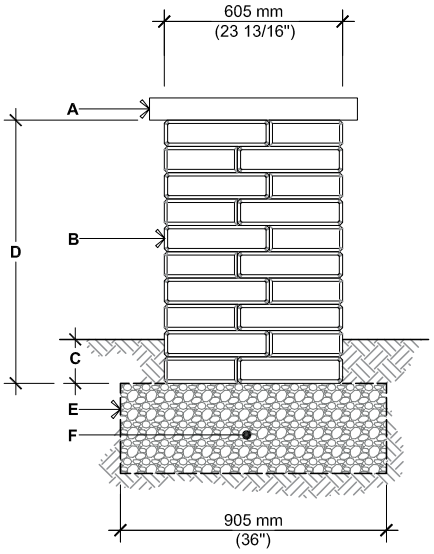
GENERAL NOTES

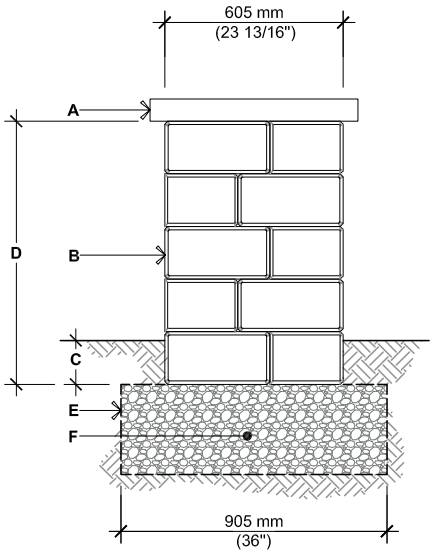
1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - RAFFINATO 90 mm & 180 mm





RAFFINATO 90 mm

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE

B. RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

C. EMBEDMENT DEPTH: 150 mm (6″) MIN.

D. 1 080 mm (42 ½″), MAXIMUM HEIGHT

E. GEOTEXTILE

F. COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

RAFFINATO 180 mm

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE

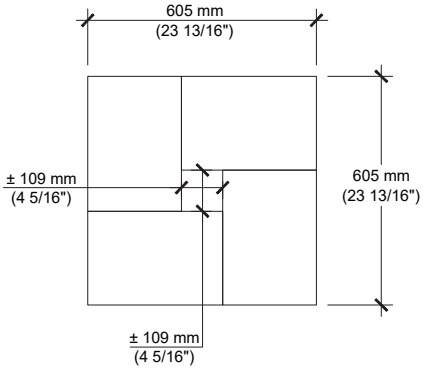
B. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

C. EMBEDMENT DEPTH: 150 mm (6″) MIN.

D. 1080 mm (42 ½″), MAXIMUM HEIGHT

E. GEOTEXTILE

F. COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

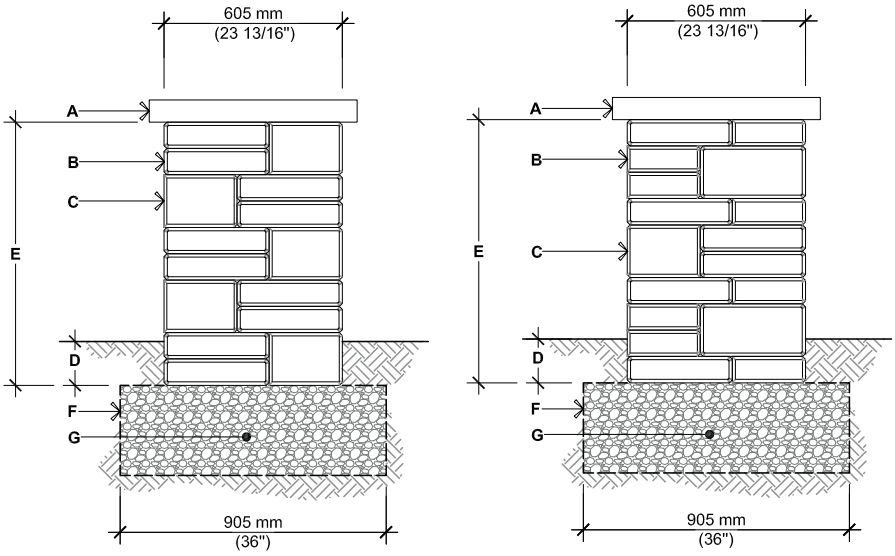


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

PILLARS - RAFFINATO 90 mm & 180 mm



RAFFINATO 90 mm & 180 mm
OPTION A

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE

B. RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

C. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

D. EMBEDMENT DEPTH: 150 mm (6″) MIN.

E. 1 080 mm (42 ½″), MAXIMUM HEIGHT

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

RAFFINATO 90 mm & 180 mm
OPTION B

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH FLEXLOCK ADHESIVE

B. RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

C. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE

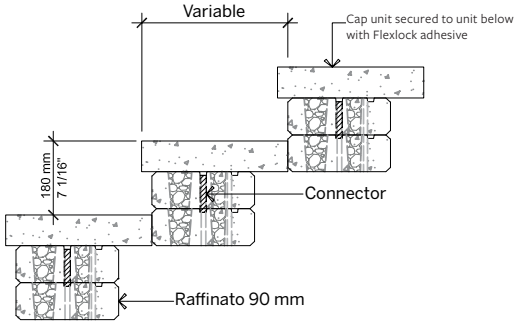
D. EMBEDMENT DEPTH: 150 mm (6″) MIN.

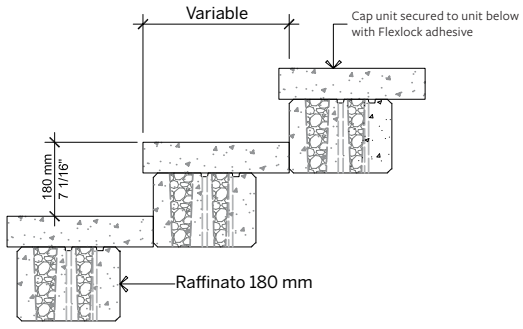
E. 1 080 mm (42 ½″), MAXIMUM HEIGHT

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 150 mm (6″) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

STEPS



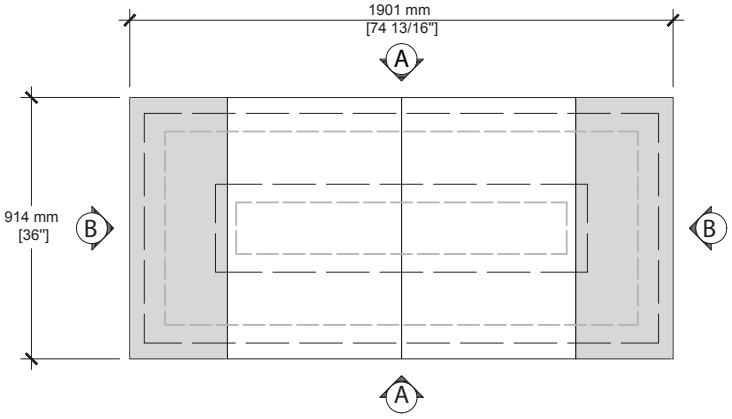


For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

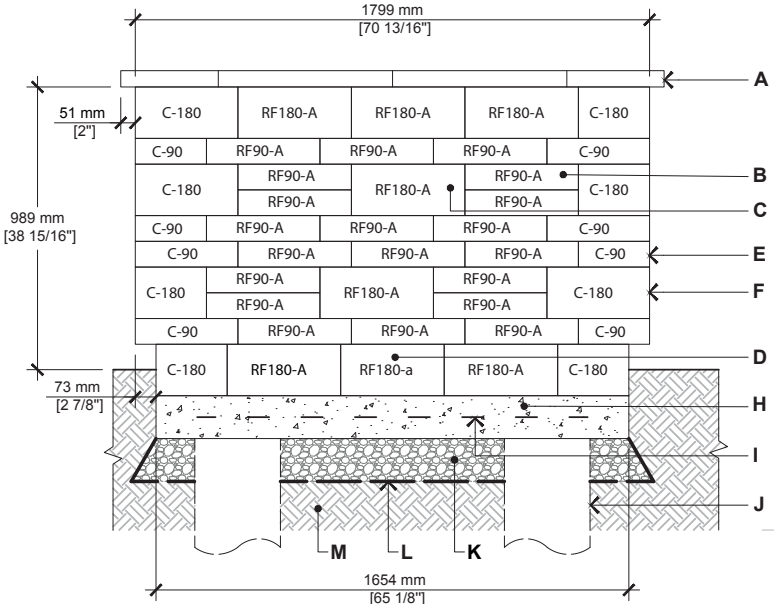
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

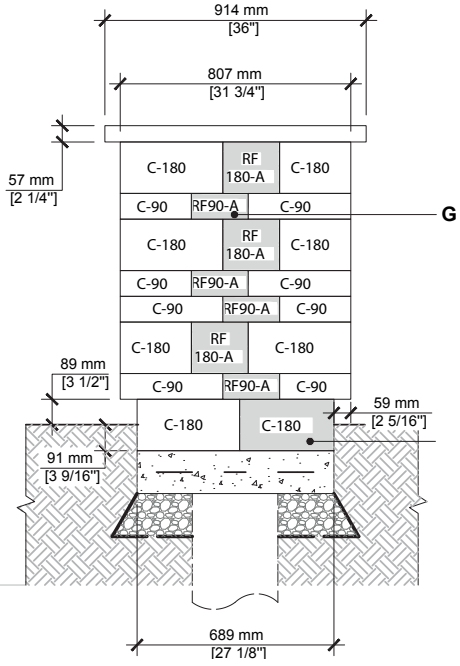
GRILL ISLAND - RAFFINATO SMOOTH 90 mm & 180 mm



TOP VIEW



ELEVATION A



ELEVATION B

A. YORK COUNTER TOP 24″ × 36″ × 2 ¼″ (CUT ON FIELD AS REQUIRED)

B. RAFFINATO 90 mm UNIT (A) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

C. RAFFINATO 180 mm UNIT (A) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

D. RAFFINATO 180 mm UNIT (A) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

E. RAFFINATO 90 mm PILLAR UNIT

F. RAFFINATO 180 mm PILLAR UNIT

G. RAFFINATO UNIT CUT ON FIELD AS REQUIRED

H. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

I. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

J. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

K. ¾″ (20 mm) CLEAN STONE
6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

L. GEOTEXTILE

M. NATURAL SOIL OR COMPACTED BACKFILL

QUANTITY OF MATERIALS REQUIRED

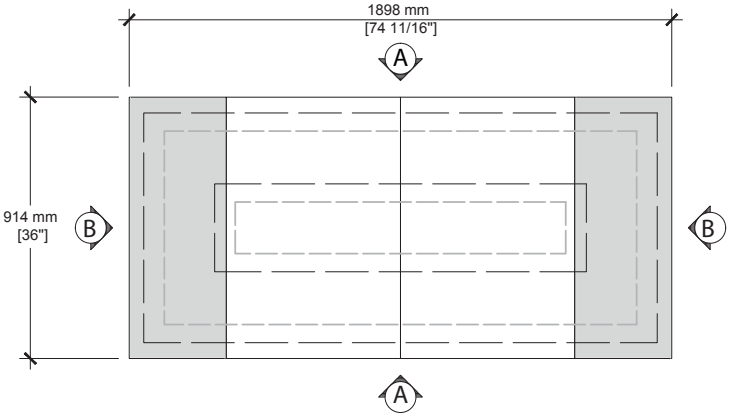
- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Raffinato 90 mm wall unit: **48 A**
- Raffinato 180 mm wall unit: **22 A**
- Raffinato 90 mm pillar unit: **16**
- Raffinato 180 mm pillarunit: **16**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

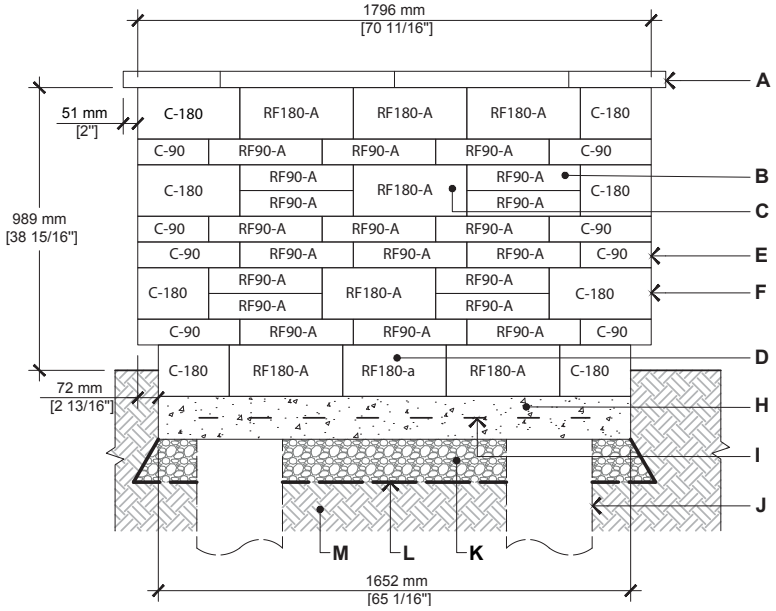
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

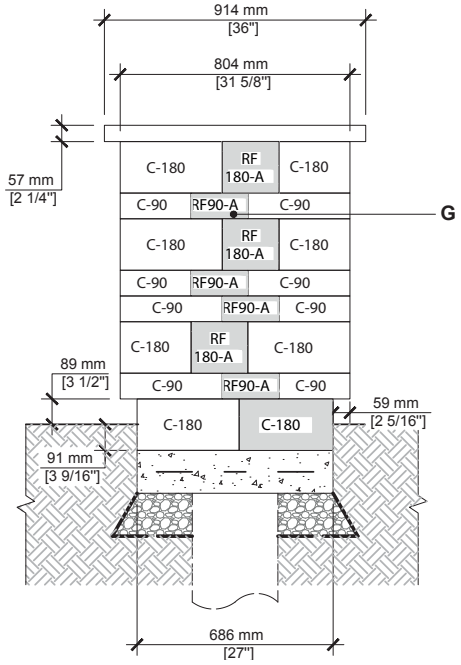
GRILL ISLAND - RAFFINATO POLISHED 90 mm & 180 mm



TOP VIEW



ELEVATION A



ELEVATION B

A. YORK COUNTER TOP 24″ × 36″ × 2 ¼″ (CUT ON FIELD AS REQUIRED)

B. RAFFINATO 90 mm UNIT (A) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

C. RAFFINATO 180 mm UNIT (A) – LONG FACE EXPOSED (SHOWN WITH UPPERCASE LETTER)

D. RAFFINATO 180 mm UNIT (A) – SHORT FACE EXPOSED (SHOWN WITH LOWERCASE LETTER)

E. RAFFINATO 90 mm PILLAR UNIT

F. RAFFINATO 180 mm PILLAR UNIT

G. RAFFINATO UNIT CUT ON FIELD AS REQUIRED

H. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

I. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

J. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

K. 3/4″ (20 mm) CLEAN STONE
6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

L. GEOTEXTILE

M. NATURAL SOIL OR COMPACTED BACKFILL

QUANTITY OF MATERIALS REQUIRED

- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Raffinato 90 mm wall unit: **48 A**
- Raffinato 180 mm wall unit: **22 A**
- Raffinato 90 mm pillar unit: **16**
- Raffinato 180 mm pillarunit: **16**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

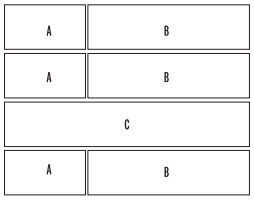
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



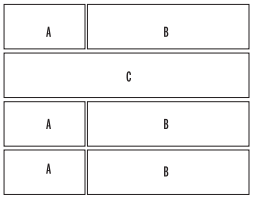
RÖCKA

DESCRIPTION: Wall & edge double-sided **TEXTURE:** Natural stone (Fossil stone)

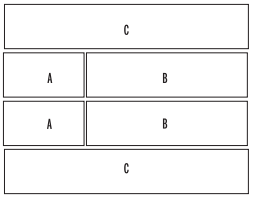
PALLET OVERVIEW - ROW 1



PALLET OVERVIEW - ROW 2



PALLET OVERVIEW - ROW 3



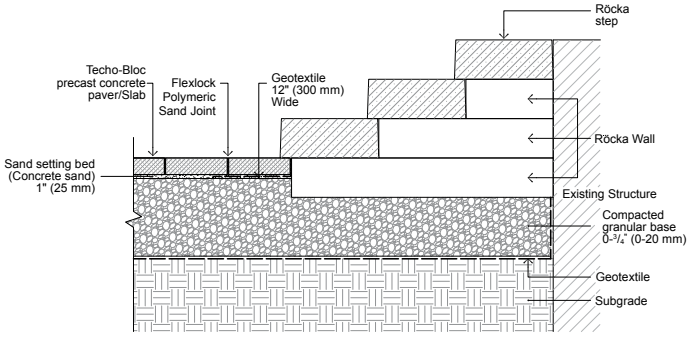
Specifications per pallet		Imperial	Metric
Cubing		**19.88 ft²**	1.85 m²
Approx. Weight		1 860 lbs	844 kg
Number of rows		3	
Coverage per row		6.63 ft²	0.62 m²
Coverage per unit	A	0.55 ft²	0.05 m²
	B	1.10 ft²	0.10 m²
	B	1.66 ft²	0.15 m²



A	Unit dimensions	in	mm	Units/pallet
	Height	6	152	8 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	13 ¼	337	

B				
	Height	6	152	8 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	26 ½	673	

C				
	Height	6	152	4 units
	Depth 1	7 ¾	197	
	Depth 2	8	203	
	Length	39 ¾	1 010	



NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 138 to 153 for more technical information.

The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

Chocolate Brown



Rock Garden Brown

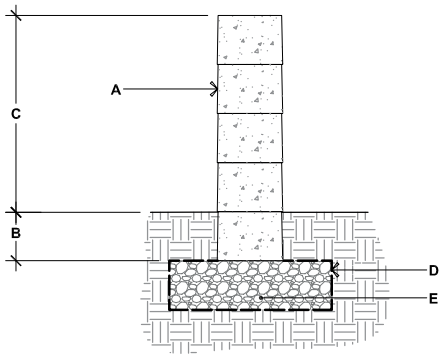


Riviera



INSTALLATION GUIDE

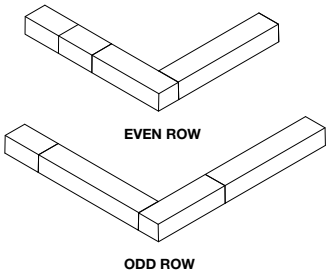
FREESTANDING WALLS - RÖCKA

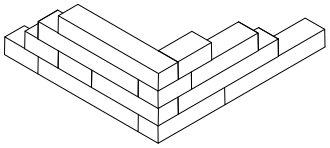


RÖCKA

- **A.** RÖCKA DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **B.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **C.** 24″ (612 mm) MAX.
- **D.** GEOTEXTILE
- **E.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

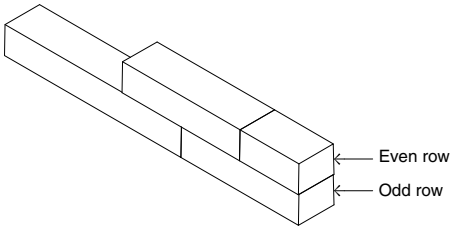
90° CORNER OF A DOUBLE-SIDED WALL





1. Alternate odd and even rows
2. Stagger vertical joints by at least ¼ of the length of the block.
3. Glue all modules at each row with Flexlock adhesive.
4. It is possible to alternate the blocks (A, B or C) in the same row to create different patterns.

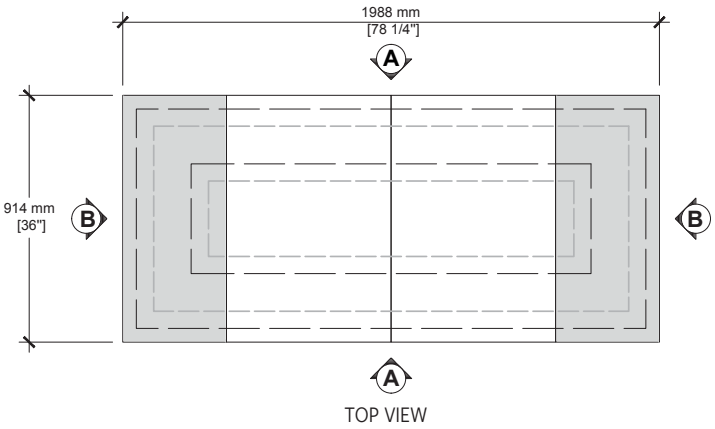
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL

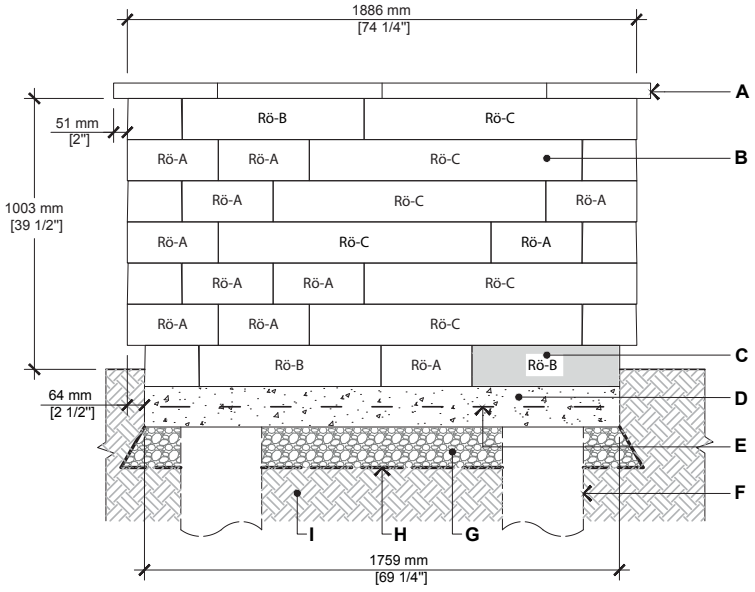


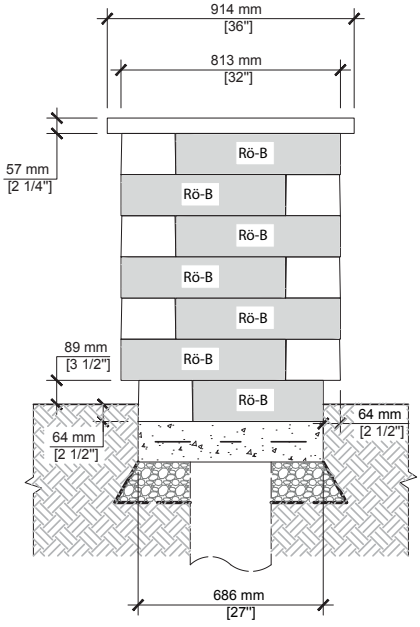
* It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a minimum distance of ¼ the length of the block is required between the vertical joints.

INSTALLATION GUIDE

GRILL ISLAND - RÖCKA







A. YORK COUNTER TOP 24″ X 36″ X 2 ¼″ (CUT ON FIELD AS REQUIRED)

B. RÖCKA WALL UNIT (A, B OR C)

C. RÖCKA WALL UNIT CUT ON FIELD AS REQUIRED

D. CAST IN PLACE CONCRETE SLAB 4350 psi (30 MPa), 5″ (125 mm) THICK

E. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS

F. 12″ (300 mm) DIA. CONCRETE PILLAR, AS PER LOCAL CODE

G. 3/4″ (20 mm) CLEAN STONE
6″ (150 mm) THICK MIN. AS PER SITE CONDITIONS

H. GEOTEXTILE

I. NATURAL SOIL OR COMPACTED BACKFILL

QUANTITY OF MATERIALS REQUIRED

- York Counter top 24″ × 36″ × 2 ¼″: **4**
- Röcka wall unit: **22 A, 20 B, 12 C**

NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

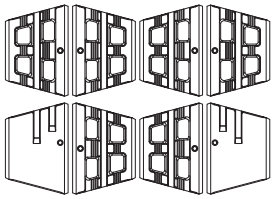
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



SEMMA

DESCRIPTION: Wall double-sided **TEXTURE:** Split Face

PALLET OVERVIEW



PATENT
CND **2,114,677**
US **5,528,873**

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 21.74 ft².

The corner units for the Semma block should be glued with a concrete adhesive.

The corner unit can be used as a right or left corner unit and as a regular unit.
Metric measures are approximate.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**40 units**	40 units
	26.25 ft²	2.44 m²
	53.33 lin. ft	16.26 lin. m
Approx. Weight	2 363 lbs	1 072 kg
Number of rows	5	
Coverage per row	5.25 ft²	0.49 m²
Linear coverage per row	10.67 lin. ft	3.25 lin. m



	Unit dimensions	in	mm	Units/pallet
REGULAR A	Height	5 ⅞	150	30 units
	Depth	11	279	
	Length 1	16	406	
	Length 2	10 ½	266	
CORNER B	Height	5 ⅞	150	10 units
	Depth	11	279	
	Length 1	16	406	
	Length 2	10 ½	266	





Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey

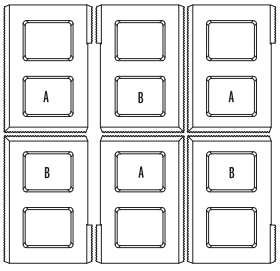




SEMMA

DESCRIPTION: Corner or Pillar **TEXTURE:** Split Face

PALLET OVERVIEW



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**24 units**	24 units
Approx. Weight	1 403 lbs	636 kg
Number of rows	4	
Pillar height	35 7/16 in	900 mm



A - B



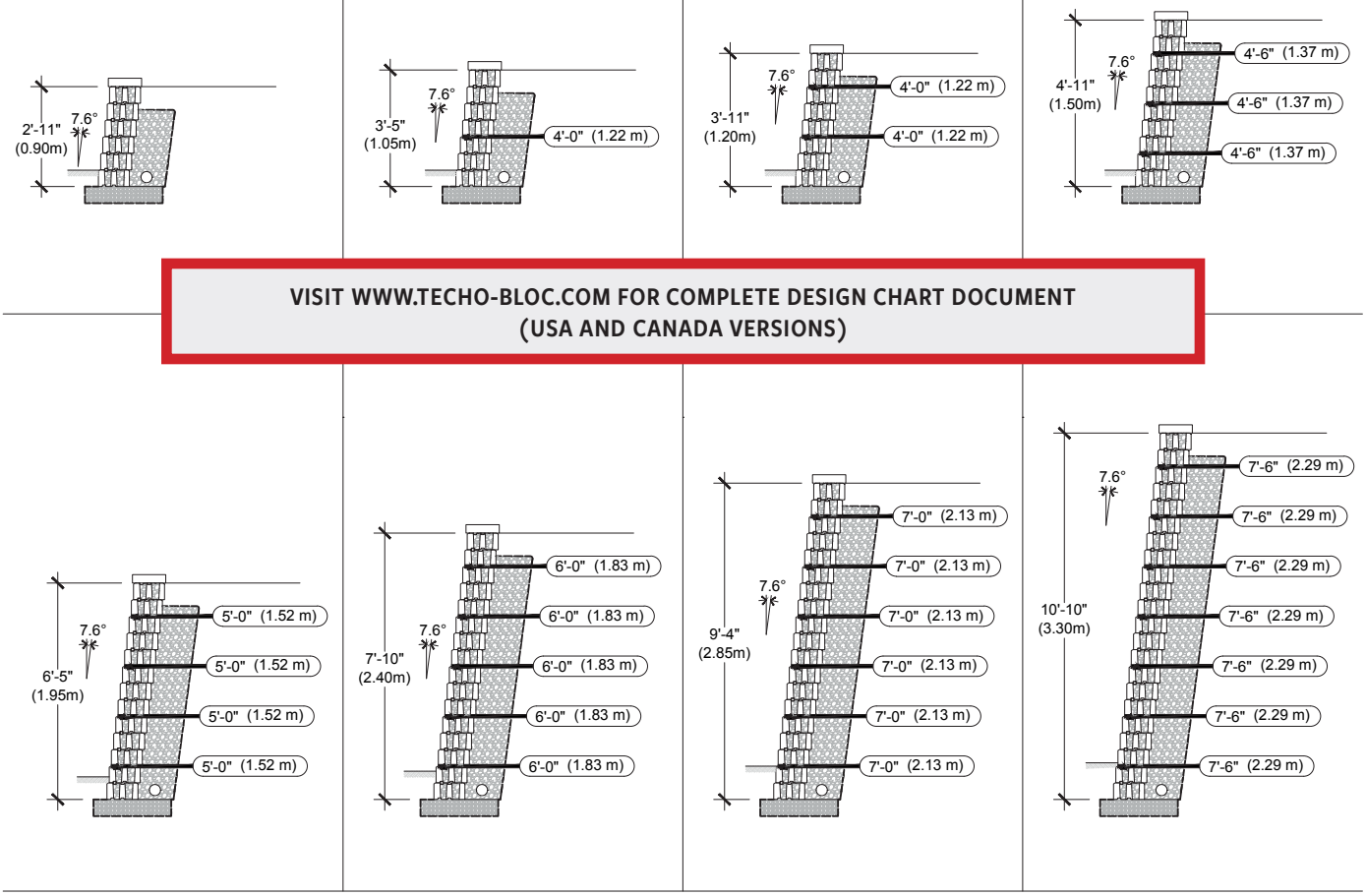
Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	10 1/2	266	12 right corners
Length	16	406	12 left corners



DESIGN CHART
SEMMA
SETBACK POSITION

CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES (Ø=34°, γ = 120 pcf)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



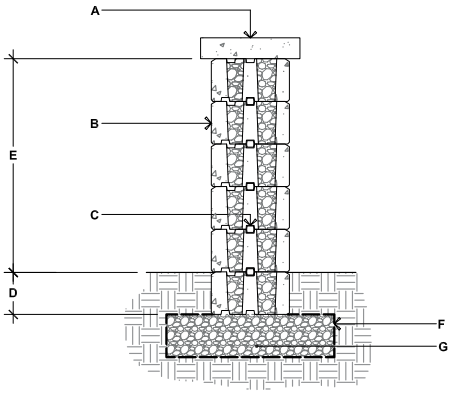
VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)

1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil (φ = 34°, γ = 120 pcf); retained soil (φ =34°, γ = 120 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

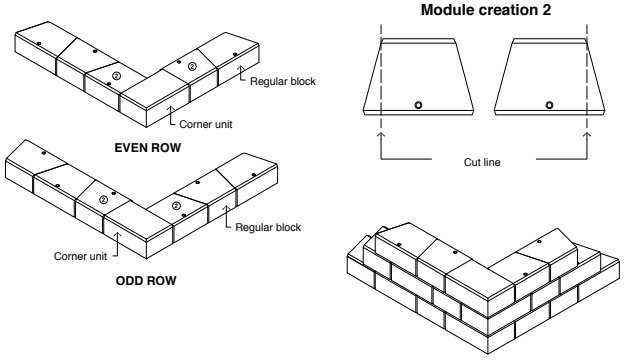
FREESTANDING WALLS - SEMMA



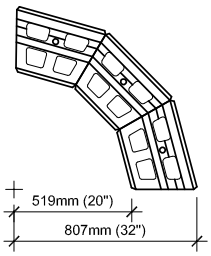
SEMMA

- **A.** TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** SEMMA DOUBLE-SIDED WALL UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 29 7/16″ (750 mm) MAX.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL

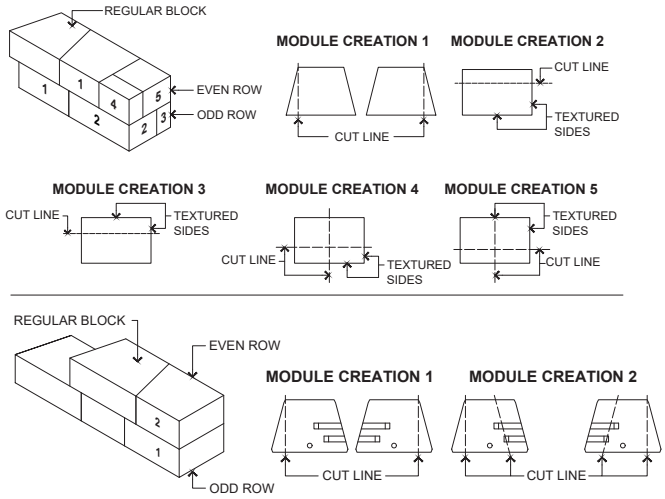


DOUBLE-SIDED WALL RADIUS



It is the user's responsibility to verify for the quantity of materials required.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



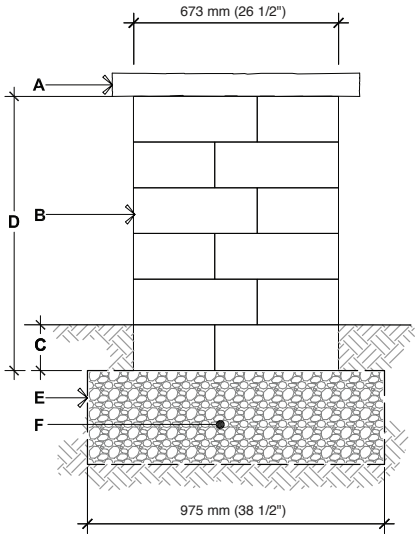
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

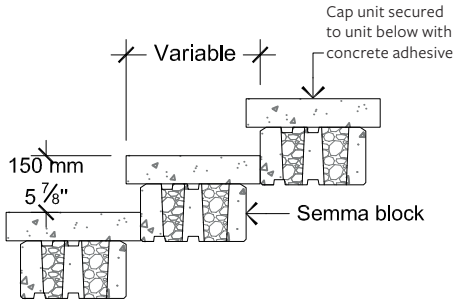
PILLARS - SEMMA

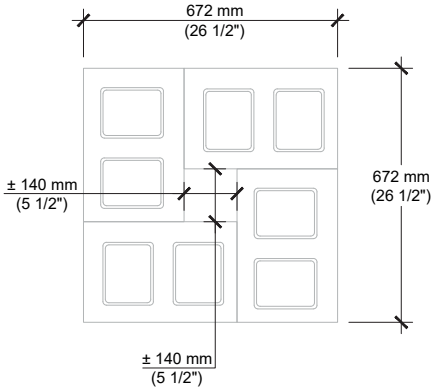


SEMMA

- **A.** PILLAR CAP UNIT (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** SEMMA PILLAR UNIT SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT 6″ (150 mm) MIN.
- **D.** 35 7/16″ (900 mm), HEIGHT PER PALLET 47 1/4″ (1200 mm), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6″ (150mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

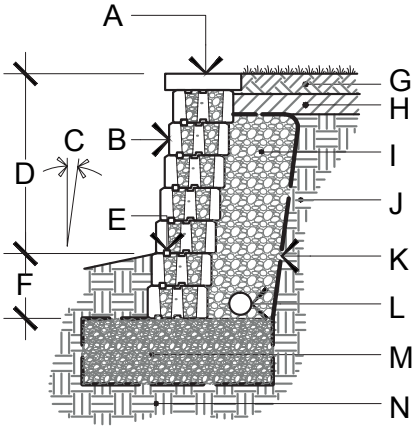
STEPS

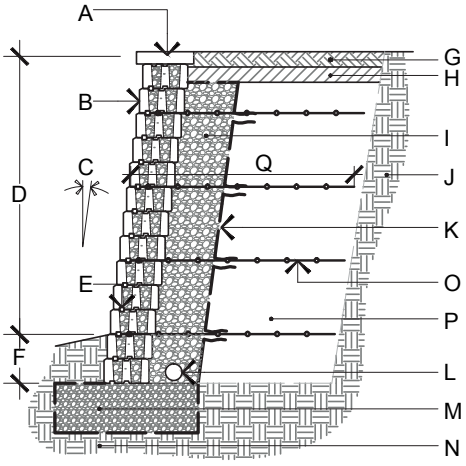




For all possible combinations of pillars and caps, please refer to the correspondence table on page 137.

GRAVITY AND REINFORCED WALLS - SEMMA





GRAVITY WALL DETAIL

- **A.** CAP FROM TECHO-BLOC
- **B.** SEMMA BLOCK FROM TECHO-BLOC
- **C.** WALL INCLINATION (7.6°)
- **D.** EXPOSED HEIGHT
- **E.** HDPE HORIZONTAL KEY
- **F.** EMBEDMENT DEPTH
- **G.** TOP SOIL
- **H.** LOW PERMEABILITY SOIL
- **I.** 3/4″ (20 mm) CLEAN STONE, 13″ (330 mm) THICK MIN.

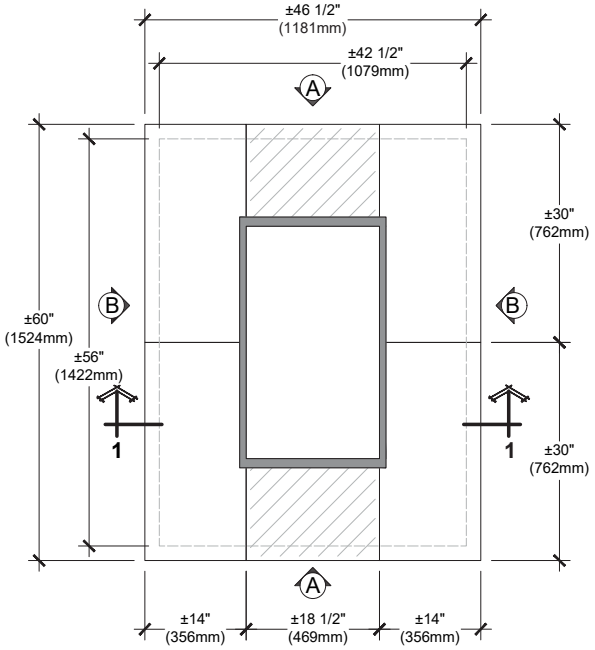
REINFORCED WALL DETAIL

- **J.** RETAINED SOIL
- **K.** GEOTEXTILE
- **L.** PERFORATED DRAIN
- **M.** LEVELING PAD
- **N.** FOUNDATION SOIL
- **O.** GEOGRID
- **P.** REINFORCED SOIL
- **Q.** GEOGRID LENGTH

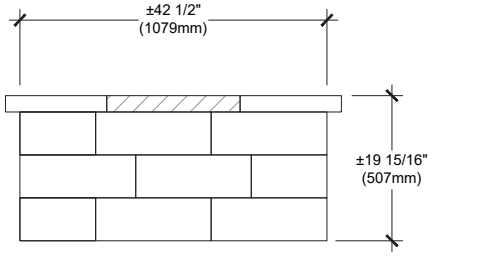
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

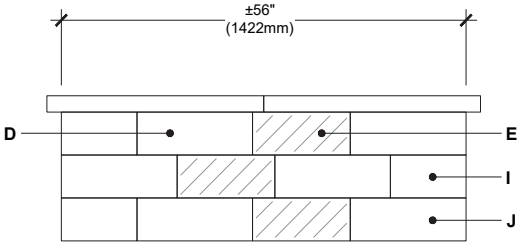
FIREPIT - SEMMA



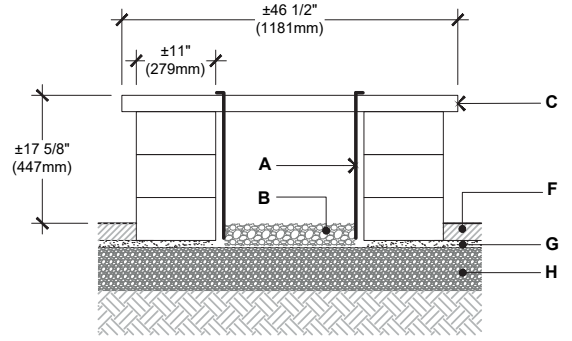
TOP



ELEVATION A



ELEVATION B



SECTION 1-1

CUT ON FIELD

A. STEEL BOX INSERT
B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
C. PIEDIMONTE CAP 14"X30" (CUT ON FIELD AS REQUIRED)
D. SEMMA BLOCK (A OR B UNIT)
E. SEMMA BLOCK (A OR B UNIT) CUT ON FIELD AS REQUIRED
F. TECHO-BLOC PAVERS OR SLABS
G. SETTING BED 1" (25 mm)
H. COMPACTED GRANULAR 0- 3/4" (0-20 mm)
I. SEMMA PILLAR UNIT (LEFT CORNER)
J. SEMMA PILLAR (RIGHT CORNER)

QUANTITY OF MATERIALS REQUIRED

Piedimonte Cap (14"x30"): 6
Semma (A or B): 24
Semma Pillar: 12 (8 RIGHT CORNER, 4 LEFT CORNERS)

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

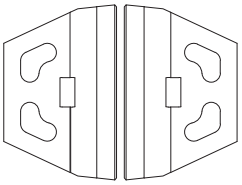
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



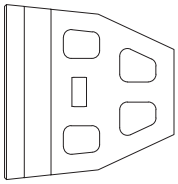
SKYSCRAPER

DESCRIPTION: Wall **TEXTURE:** Smooth

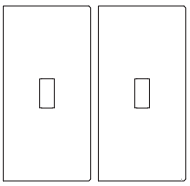
PALLET OVERVIEW - TOP UNIT



PALLET OVERVIEW - MIDDLE UNIT



PALLET OVERVIEW - CORNER UNIT



D

COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

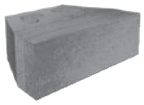
Clamp or Mechanical tool available for machine installation. Check with your local Techo-Bloc representative for more information.

See page 138 to 153 for more technical information.

Specifications per pallet		Imperial	Metric
TOP UNIT	Cubing	**12.00 ft²**	1.11 m²
		12.00 lin ft	3.66 lin m
	Approx. Weight	2 100 lbs	953 kg
	Number of rows	2	
	Coverage per row	6.00 ft²	0.56 m²
	Linear coverage per row	6.00 lin ft	1.83 lin m



A



Unit dimensions	in	mm	Units/pallet
Height	12	305	4 units
Depth	23 ¼	590	
Length 1	36	914	
Length 2	20 3⁄16	513	

Specifications per pallet		Imperial	Metric
MIDDLE UNIT	Cubing	**6.00 ft²**	0.56 m²
		6.00 lin ft	1.83 lin m
	Approx. Weight	1 620 lbs	735 kg
	Number of rows	2	
	Coverage per row	3.00 ft²	0.28 m²
	Linear coverage per row	3.00 lin ft	0.91 lin m



A



Unit dimensions	in	mm	Units/pallet
Height	12	305	2 units
Depth	34 ⅞	886	
Length 1	36	914	
Length 2	17 ½	444	

Specifications per pallet		Imperial	Metric
CORNER UNIT	Cubing	**4 units**	4 units
	Approx. Weight	2 460 lbs	1 116 kg
	Number of rows	2	



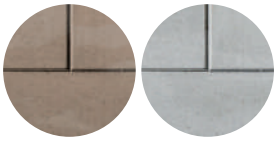
A



Unit dimensions	in	mm	Units/pallet
Height	12	305	4
Depth	18	457	
Length	36	914	

Chestnut Brown

Shale Grey

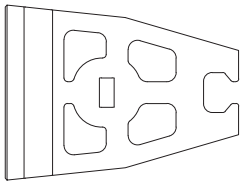




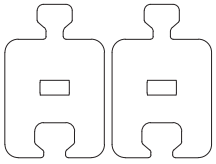
SKYSCRAPER

DESCRIPTION: Wall **TEXTURE:** Smooth

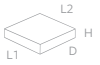
PALLET OVERVIEW - BASE UNIT



PALLET OVERVIEW - EXTENDER UNIT



Specifications per pallet		Imperial	Metric
BASE UNIT	Cubing	**6.00 ft²**	0.56 m²
		6.00 lin ft	1.83 lin m
	Approx. Weight	1 860 lbs	844 kg
	Number of rows	2	
	Coverage per row	3.00 ft²	0.28 m²
	Linear coverage per row	3.00 lin ft	0.91 lin m



A



Unit dimensions	in	mm	Units/pallet
Height	12	305	2 units
Depth	48 1/16	1220	
Length 1	36	914	
Length 2	17 5/16	440	

Specifications per pallet		Imperial	Metric
EXTENDER UNIT	Cubing	**4 units**	4 units
	Approx. Weight	1 800 lbs	816 kg
	Number of rows	2	



A



Unit dimensions	in	mm	Units/pallet
Height	12	305	4 units
Depth	24 3/8	619	
Length 2	20 1/2	520	

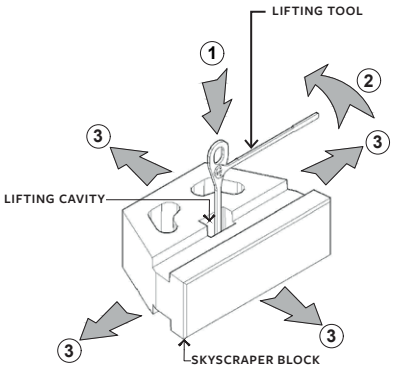
D

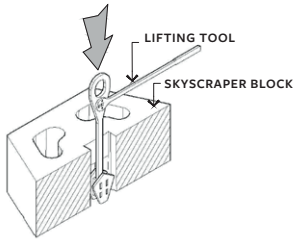
COMPATIBLE CAPS

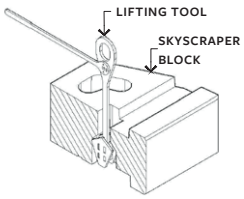
See page 137 for product compatibility.

NOTES

See page 138 to 153 for more technical information.







NOTE:
1. INSERT TECHO-BLOC LIFTING TOOL INTO THE LIFTING CAVITY.
2. TURN THE LIFTING TOOL TO LOCK THE SYSTEM.
3. MOVE AND INSTALL BLOCK AS REQUIRED.
4. USE EQUIPMENT AND RIGGING CONFORMING TO LOCAL CODES AND CAPABLE OF LIFTING EACH UNIT WEIGHT.

Chestnut Brown



Shale Grey



TECHO—BLOC

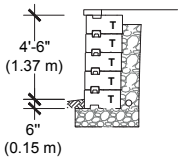
DESIGN CHART
SKYSCRAPER
NEAR VERTICAL

ALLOWABLE STRESS DESIGN

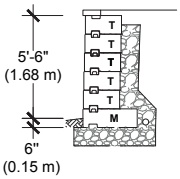
CLEAN SAND/ SAND AND GRAVEL MIXES (Ø=34°, γ = 130 pcf)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

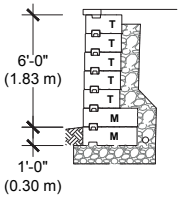
5 ft (1.52 m) Total Height
T: 5



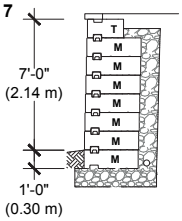
6 ft (1.83 m) Total Height
T: 5
M: 1



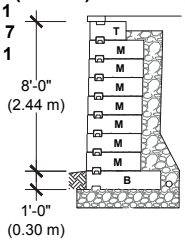
7 ft (2.13 m) Total Height
T: 5
M: 2



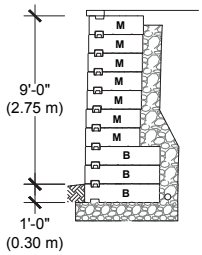
8 ft (2.44 m) Total Height
T: 1
M: 7



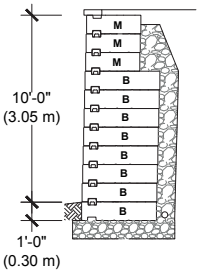
9 ft (2.74 m) Total Height
T: 1
M: 7
B: 1



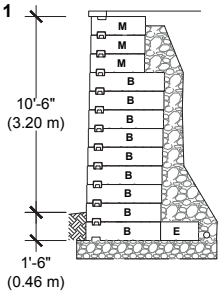
10 ft (3.05 m) Total Height
M: 7
B: 3



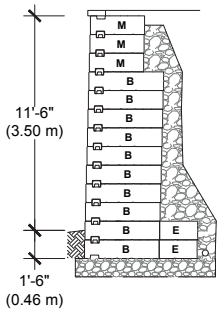
11 ft (3.35 m) Total Height
M: 3
B: 8



12 ft (3.66 m) Total Height
M: 3
B: 8
BE: 1

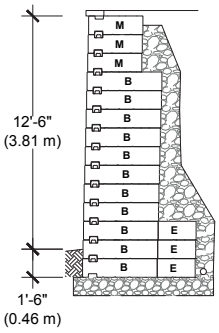


13 ft (3.96 m) Total Height
M: 3
B: 8
BE: 2

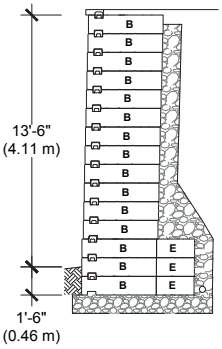


VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT (USA AND CANADA VERSIONS)

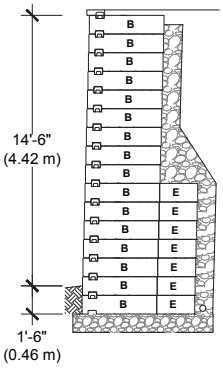
14 ft (4.27 m) Total Height
M: 3
B: 8
BE: 3



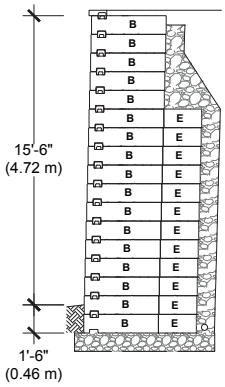
15 ft (4.57 m) Total
B: 12
BE: 3



16 ft (4.88 m) Total Height
B: 9
BE: 7

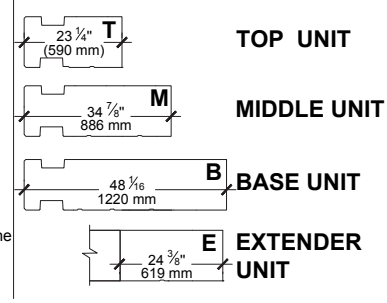


17 ft (5.18 m) Total Height
B: 5
BE: 12



1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall does not include the thickness of the cap.
3. Soil parameters: retained soil (φ =34°, γ = 130 pcf); foundation soil (φ=34°, γ = 120 pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. Engineering judgement should be used when interpolating between heights.
10. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
11. For further information, please contact our technical service department.

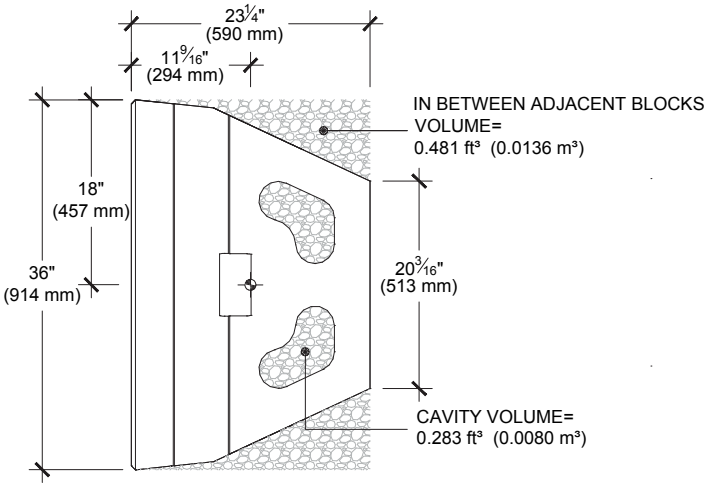
LEGEND :



INSTALLATION GUIDE

CAVITY INFILL - SKYSCRAPER

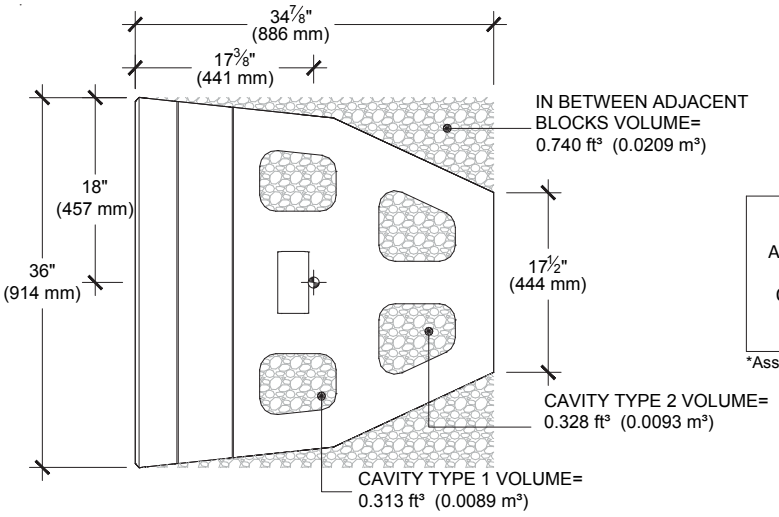
SKYSCRAPER TOP



AGGREGATE INFILL QUANTITY	PER UNIT	±1.53 ft³	(±0.043 m³)
		±147.91 lb	(±66.65 kg)
	PER WALL AREA	± 0.51 ft³/ ft²	(±0.16 m³/m²)
		±49.37 lb/ft²	(±248 kg/m²)

*Assumed aggregate unit weigth of 96.8 lb/ft³ (1550 kg/m³)

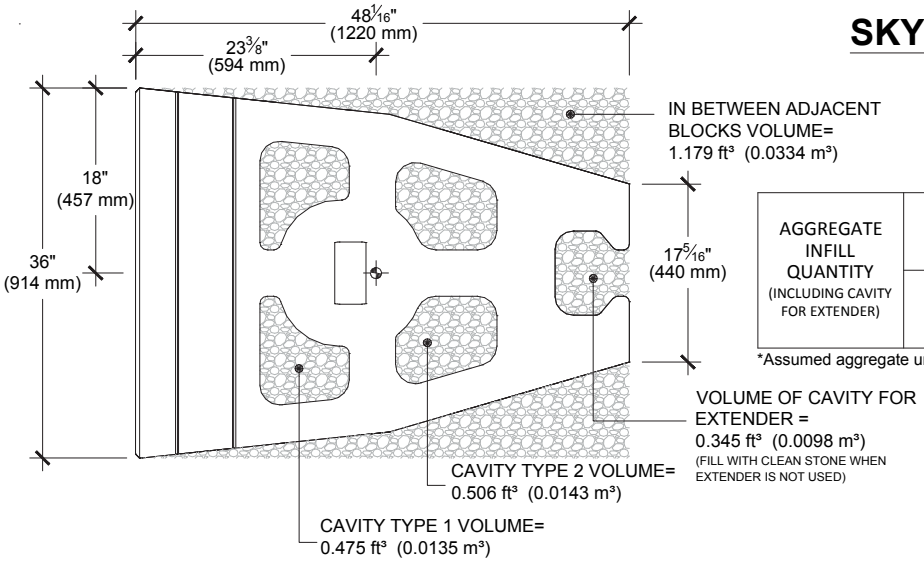
SKYSCRAPER MIDDLE



AGGREGATE INFILL QUANTITY	PER UNIT	±2.76 ft³	(±0.078 m³)
		±267.17 lb	(±120.9 kg)
	PER WALL AREA	± 0.92 ft³/ ft²	(±0.28 m³/m²)
		±89.06 lb/ft²	(±434 kg/m²)

*Assumed aggregate unit weigth of 96.8 lb/ft³ (1550 kg/m³)

SKYSCRAPER BASE



AGGREGATE INFILL QUANTITY (INCLUDING CAVITY FOR EXTENDER)	PER UNIT	±4.67 ft³	(±0.132 m³)
		±452.06 lb	(±204.6 kg)
	PER WALL AREA	±1.56 ft³/ ft²	(±0.47 m³/m²)
		±151.01 lb/ft²	(±728.5 kg/m²)

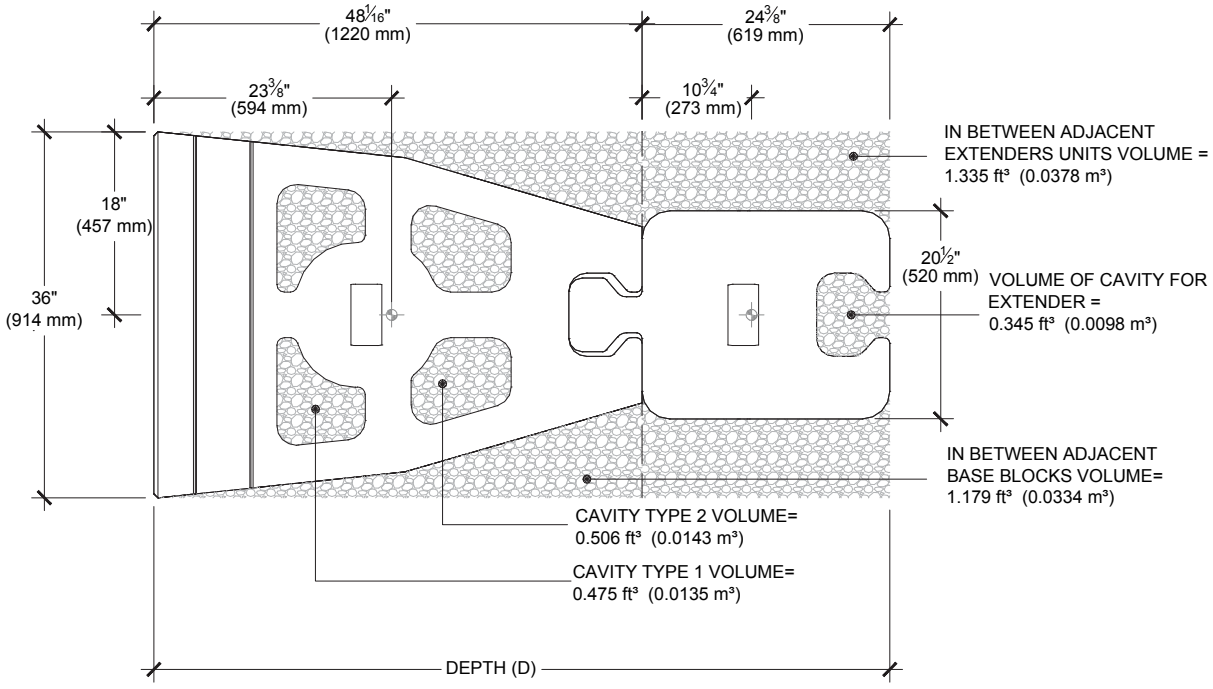
*Assumed aggregate unit weigth of 96.8 lb/ft³ (1550 kg/m³)

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

CAVITY INFILL - SKYSCRAPER

SKYSCRAPER BASE + EXTENDER(S)



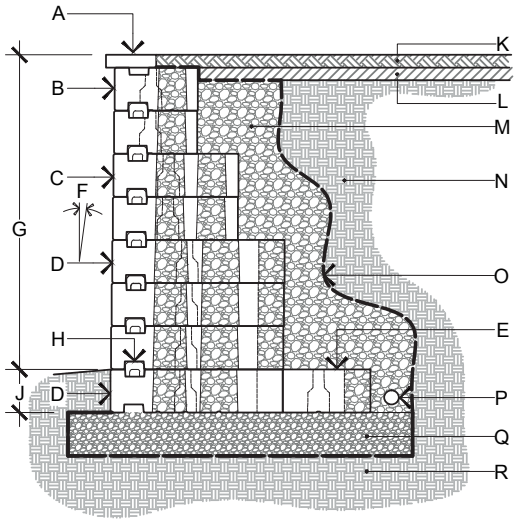
Aggregate Infill Quantity
(INCLUDING CAVITY FOR EXTENDER)

# OF EXTENDERS	DEPTH (D)		PER UNIT				PER WALL AREA			
1	72 3/8 "	1839 mm	±7.35 ft³	(±0.208 m³)	±711 lb	(±322 kg)	±2.45 ft³/ft²	(± 0.75 m³/m²)	±237 lb/ft²	(±1163 kg/m²)
2	96 3/4 "	2458 mm	±10.02 ft³	(±0.283 m³)	±970 lb	(±439 kg)	±3.34 ft³/ft²	(± 1.02 m³/m²)	±323 lb/ft²	(±1581 kg/m²)
3	121 1/8 "	3077 mm	±12.69 ft³	(±0.359 m³)	±1228 lb	(±556 kg)	±4.23 ft³/ft²	(± 1.29 m³/m²)	±409 lb/ft²	(±2000 kg/m²)
4	145 1/2 "	3696 mm	±15.36 ft³	(±0.435 m³)	±1487 lb	(±674 kg)	±5.12 ft³/ft²	(± 1.56 m³/m²)	±496 lb/ft²	(±2418 kg/m²)
5	169 7/8 "	4315 mm	±18.03 ft³	(±0.510 m³)	±1745 lb	(±791 kg)	±6.01 ft³/ft²	(± 1.83 m³/m²)	±582 lb/ft²	(±2837 kg/m²)
6	194 1/4 "	4934 mm	±20.70 ft³	(±0.586 m³)	±2004 lb	(±908 kg)	±6.9 ft³/ft²	(± 2.1 m³/m²)	±668 lb/ft²	(±3255 kg/m²)

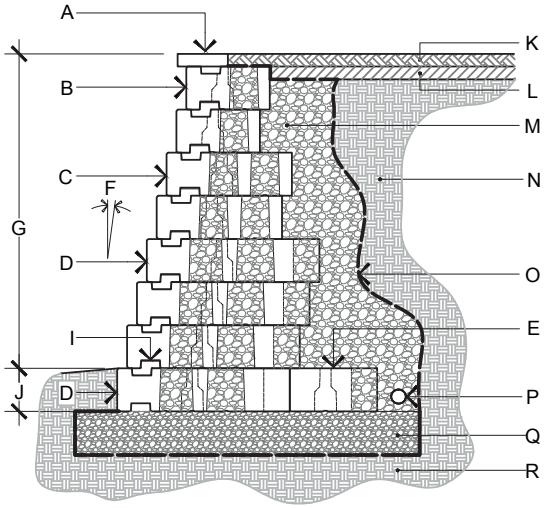
*Assumed aggregate unit weigth of 96.8 lb/ft³ (1550 kg/m³)

INSTALLATION GUIDE

GRAVITY WALLS - SKYSCRAPER



GRAVITY NEAR VERTICAL WALL DETAIL



GRAVITY INCLINED WALL DETAIL

A. CAP FROM TECHO-BLOC
B. SKYSCRAPER TOP UNIT FROM TECHO-BLOC
C. SKYSCRAPER MIDDLE UNIT FROM TECHO-BLOC
D. SKYSCRAPER BASE UNIT FROM TECHO-BLOC
E. SKYSCRAPER EXTENDER UNIT FROM TECHO-BLOC
F. WALL INCLINATION:
   - 0.8° (NEAR VERTICAL)
   - 12.7° (INCLINED)
G. EXPOSED HEIGHT
H. PRECAST CONCRETE "U" CONNECTOR
I. PRECAST CONCRETE "Z" CONNECTOR
J. EMBEDMENT DEPTH
K. TOP SOIL
L. LOW PERMEABILITY SOIL
M. 3/4" (20 mm) CLEAN STONE, 12" (300 mm) THICK MIN
N. RETAINED SOIL
O. GEOTEXTILE
P. PERFORATED DRAIN
Q. LEVELING PAD
R. FOUNDATION SOIL

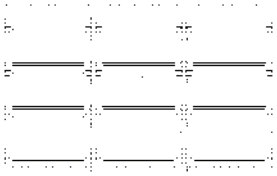
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



TRAVERTINA RAW

DESCRIPTION: Double-sided wall **TEXTURE:** Brushed Travertine

PALLET OVERVIEW



COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**31.75 ft²/pal**	2.95 m²/pal
	63.5 lin. ft /pal	19.36 lin. m/pal
Approx. Weight	2 902 lbs	1 316 kg
Number of rows	4	
Coverage per units	0.66 ft²/unit	0.06 m²/unit
Coverage per row	7.94 ft²/row	0.74 m²/row
Linear coverage per row	15.88 lin. ft/row	4.84 lin. m/row



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	48 units
Depth	7 15⁄16	202	
Length	15 7⁄8	403	



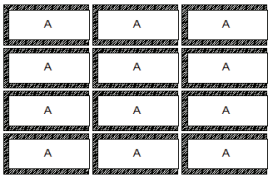




TRAVERTINA RAW

DESCRIPTION: Corners and pillars **TEXTURE:** Brushed Travertine

PALLET OVERVIEW





COMPATIBLE CAPS

See page 137 for product compatibility.

NOTES

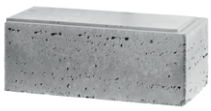
The dimensional tolerance for Stonedge wet cast retaining wall units is: ± 3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width. During the installation, the level between adjacent wall units will vary (usually more than for a dry cast wall unit) in order to obtain a more realistic appearance of a natural stone wall.

See page 138 to 153 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**24 units**	24 units
Approx. Weight	1 576 lbs	715 kg
Number of rows	2	
Pillar height	36 in	914 mm



A



Unit dimensions	in	mm	Units/pallet
Height	6	152	24 units
Depth	7 15⁄16	202	
Length	15 7⁄8	403	

Rock Garden Brown



Ivory

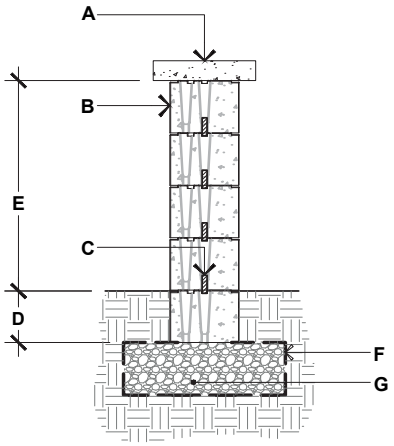


RIviera



INSTALLATION GUIDE

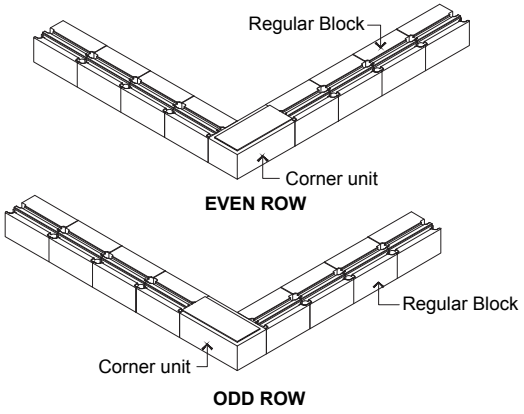
FREESTANDING WALLS - TRAVERTINA RAW

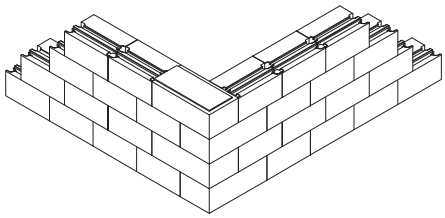


TRAVERTINA RAW

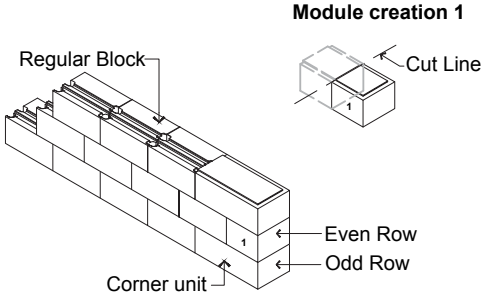
- **A.** TECHO-BLOC CAP UNIT, SECURED TO UNIT BELOW WITH FLEXLOCK ADHESIVE
- **B.** TRAVERTINA RAW DOUBLE-SIDED WALL UNIT
  SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** CONNECTOR
- **D.** EMBEDMENT DEPTH, 6″ (150 mm) MIN.
- **E.** 24″ (612 mm) MAX.
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR LEVELING PAD, 6″ (150 mm) THICK MIN.
  THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL





DOUBLE-SIDED WALL - END OF A STRAIGHT WALL

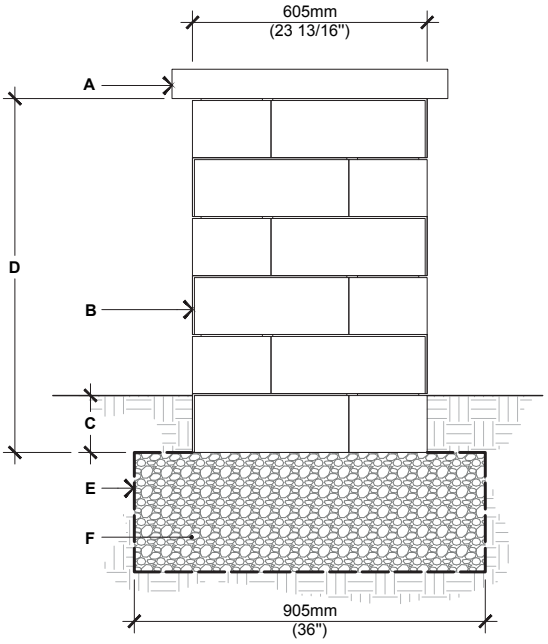


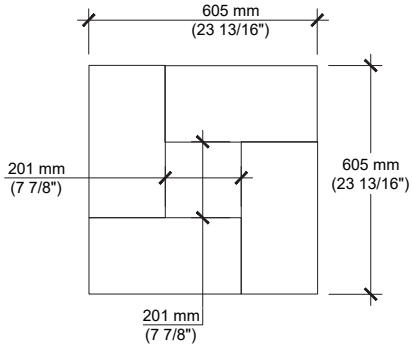
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with Flexlock adhesive.

INSTALLATION GUIDE

PILLARS - TRAVERTINA RAW



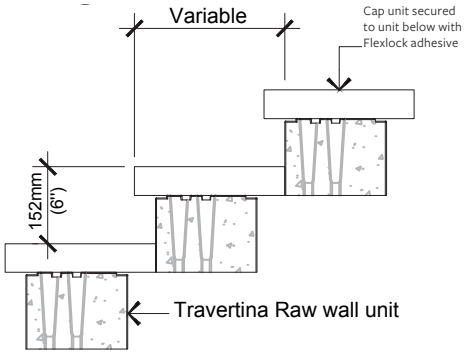


TRAVERTINA RAW

- **A.** PILLAR CAP UNIT
  (SECURE WITH FLEXLOCK ADHESIVE)
- **B.** TRAVERTINA RAW PILLAR UNIT
  SECURE EACH ROW WITH FLEXLOCK ADHESIVE
- **C.** EMBEDMENT 6″ (150 mm) MIN.
- **D.** 36″ (917 mm), HEIGHT PER PALLET
  42″ (1067 mm), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6″ (150mm)
  THICK MIN. THICKNESS ACCORDING TO
  PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 137

STEPS



For all possible combinations of walls and caps, please refer to the correspondence table on page 137

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

STEPS &CAPS

STEPS, CAPS (WALLS, COUNTERS AND PILLARS),
POOL COPPING & OVERLAY SYSTEMS



COMPATIBILITY CHART

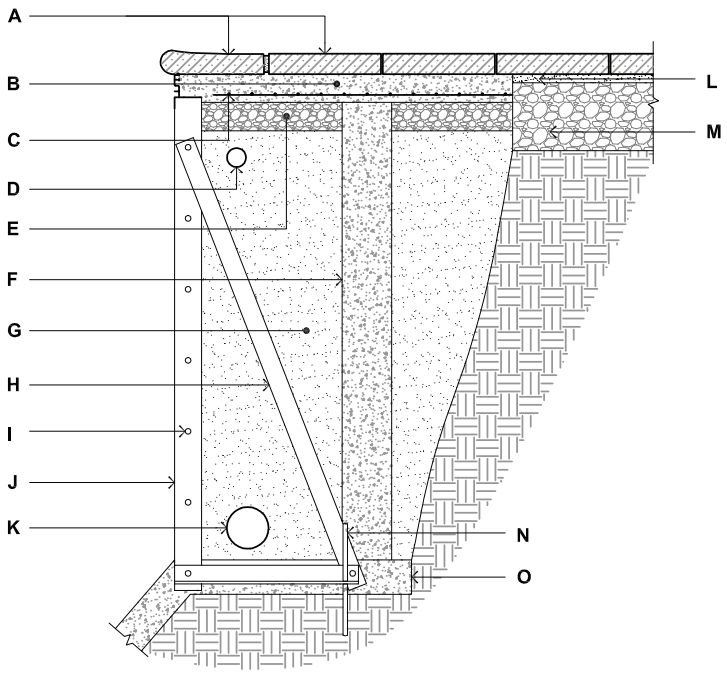
Walls & Pillars	Caps																	
	Architectural cap	Brandon cap	Bullnose	Bullnose Grande	Graphix cap	Limestone cap	Pacific cap	Piedimonte	Piedimonte 28″×28″	Portofino	Raffinato 60 mm	Raffinato 90 mm	Sandstone cap	Sandstone Bullnose cap	Travertina Raw14″×28″	York	York 28″×28″	York 32″×32″
Borealis (does not require a cap)																		
Brandon 90 & 180 mm		x	x	x		x	x	x		x	x	x	x	x	x	x		
Brandon 90 & 180 mm pillar						x			x		x	x	x		x		x	
Fascia Wall Collection - single-sided	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		
Fascia Wall Collection - double-sided										x								
G-Force					x	x		x			x	x	x		x			
Graphix					x	x		x			x	x	x		x			
Mini-Creta Collection	x	x	x	x		x	x	x		x	x	x	x	x	x	x		
Mini-Creta Pillar 24″ Collection						x			x		x	x	x		x		x	
Prescott Collection						x		x		x	x	x	x		x	x		
Prescott Pillar Collection						x			x		x	x	x		x		x	
Raffinato Collection				x	x	x		x			x	x	x	x	x			
Raffinato Pillar Collection						x			x		x	x	x		x			
Röcka (does not require a cap)																		
Semma	x	x	x		x	x	x	x		x	x	x	x		x	x		
Semma Pillar											x		x		x			x
Skyscraper											x	x	x					
Travertina Raw	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		
Travertina Raw pillar											x	x	x		x		x	

NOTE: The combinations shown in this chart are not complete. Other possible combinations exist.

Applications	Caps																					
	Architectural cap	Bali Travertina Raw	Brandon cap	Bullnose	Bullnose Grande	Graphix cap	Limestone cap	Pacific cap	Piedimonte 14″x30″	Piedimonte 28″x28″	Portofino	Raffinato 60 mm	Raffinato 90 mm	Sandstone cap	Sandstone Bullnose cap	Travertina Raw 14″x28″	York wall caps 16″, 32″, 48″	York 14″x48″	York 24″x36″	York 28″x28″	York 32″x32″	Blu 45 mm	Venetian
Step	x		x	x	x	x	x		x		x	x	x	x	x	x	x	x					
Concrete & step overlay system								x														x	x
Pool coping		x		x	x		x	x	x		x	x	x	x	x	x	x						
Wall single-sided	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x					
Wall double-sided	x					x	x		x		x	x	x	x		x	x	x					
Counter top									x	x							x		x	x	x		
Pillar										x		x				x				x	x		

INSTALLATION GUIDE

POOL COPING



A. TECHO-BLOC POOL COPING AND PAVER SECURED TO CONCRETE SLAB WITH FLEXLOCK ADHESIVE OR MORTAR

B. CONCRETE DECK 39″ (1 m) WIDE BY 4″ (100 mm) THICK MIN.

C. WELDED WIRE MESH, 6 X 6 - W1.4/W1.4 (152 X 152 MW9.1 X MW9.1)

D. POOL PLUMBING PIPING

E. CLEAN STONE ¾″ (20 mm), 2″ (50 mm) THICK MIN.

F. CONCRETE PILLAR, 6″ (150 mm) DIAM.

G. SAND BACKFILL

H. STRUT

I. POOL PANEL

J. POOL LINER

K. PERFORATED DRAIN, 4″ (100 mm) DIAM. WRAPPED WITH A GEOTEXTILE

L. BEDDING COURSE, 1″ (25 mm)

M. COMPACTED GRANULAR BASE 0-¾″ (0-20 mm)

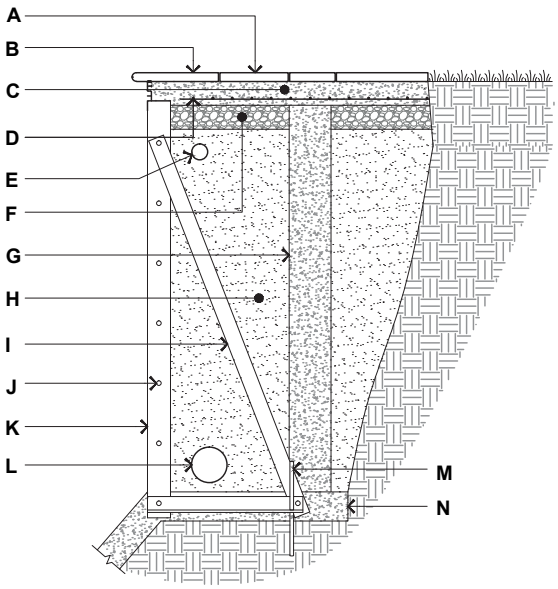
N. STEEL ROD ⅜″ (10 mm) ANCHORED TO SUBGRADE

O. CONCRETE FOOTING, 4″ (100 mm) THICK MIN.

POOL COPING INSTALLATION

Typical cross section

PACIFIC POOL COPING



A. TECHO-BLOC PACIFIC SLAB SECURED TO CONCRETE SLAB WITH FLEXLOCK ADHESIVE OR MORTAR

B. TECHO-BLOC PACIFIC CAP SECURED TO CONCRETE SLAB WITH FLEXLOCK ADHESIVE OR MORTAR

C. CONCRETE DECK 39″ (1 m) WIDE BY 4″ (100 mm) THICK MIN.

D. WELDED WIRE MESH, 6X6-W1.4/W1.4 (152 X 152 MW9.1 X MW9.1)

E. POOL PLUMBING PIPING

F. CLEAN STONE ¾″ (20 mm), 2″ (50 MM) THICK MIN.

G. CONCRETE PILLAR, 6″ (150 mm) DIAM.

H. SAND BACKFILL

I. STRUT

J. POOL PANEL

K. POOL LINER

L. PERFORATED DRAIN, 4″ (100 mm) DIAM.

M. STEEL ROD ⅜″ (10 mm) ANCHORED TO SUBGRADE

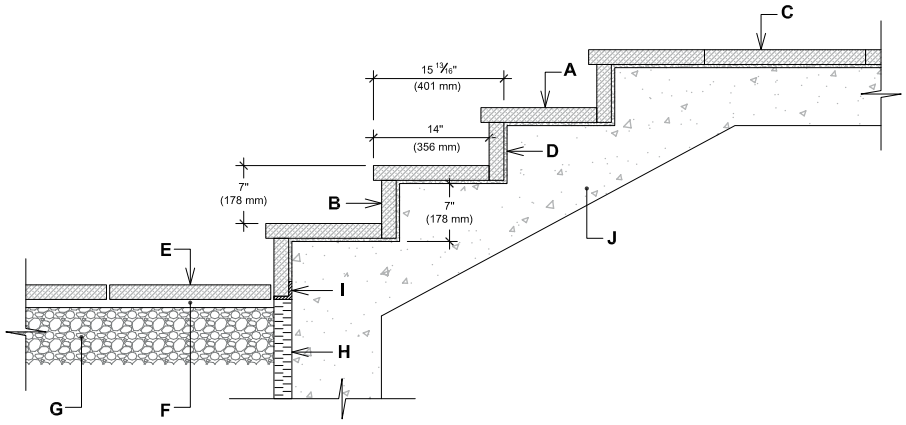
N. CONCRETE FOOTING, 4″ (100 mm) THICK MIN.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

OVERLAY OF EXISTING CONCRETE STEPS
VENETIAN CAP, RISER AND SLAB BLU 45 mm

OPTION 1: 7″ (178 mm) HIGH RISER

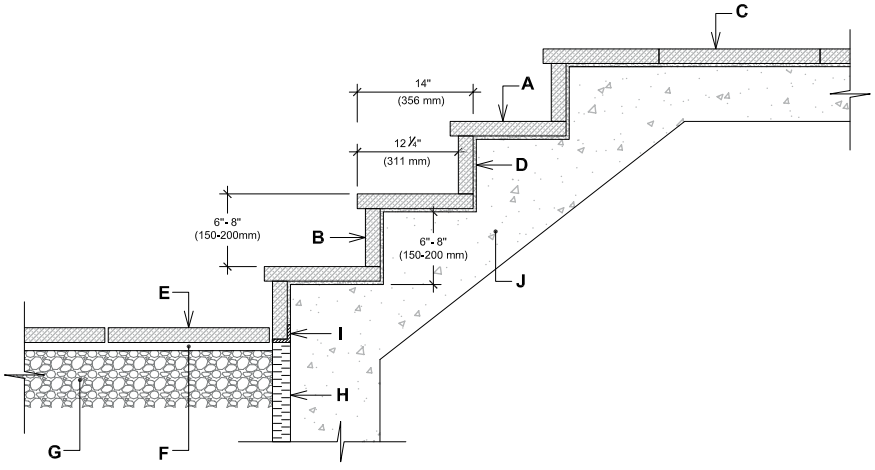


- **A.** Venetian Cap
- **B.** Venetian Riser (cut if the riser height is less than 7″)
- **C.** Blu 45 mm Slab (3 sizes)
- **D.** Flexlock Adhesive
- **E.** Techo-Bloc Pavers or Slabs
- **F.** Setting bed
- **G.** Compacted granular base 0-¾″ (0-20 mm)
- **H.** Rigid insulation
- **I.** Steel angle anchored to concrete
- **J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

OPTION 2: 5 ⅞″ (150 mm) TO 7 ⅞″ (200 mm) HIGH RISER



- **A.** Venetian Cap
- **B.** Sawn Venetian Riser (depending on the height of the riser)
- **C.** Blu 45 mm Slab (3 sizes)
- **D.** Flexlock Adhesive
- **E.** Techo-Bloc Pavers or Slabs
- **F.** Setting bed
- **G.** Compacted granular base 0-¾″ (0-20 mm)
- **H.** Rigid insulation
- **I.** Steel angle anchored to concrete
- **J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

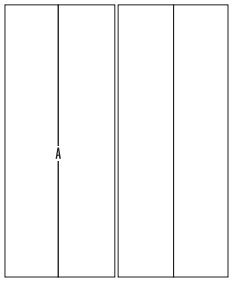
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



BOREALIS

DESCRIPTION: Step **TEXTURE:** Wood

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**32 lin. ft/pal**	9.76 lin. m/pal
Approx. Weight	3 073 lbs	1 394 kg
Number of rows	4	
Coverage per row	8 lin. ft	2.44 lin. m
Linear coverage per units	4 lin. ft	1.22 lin. m



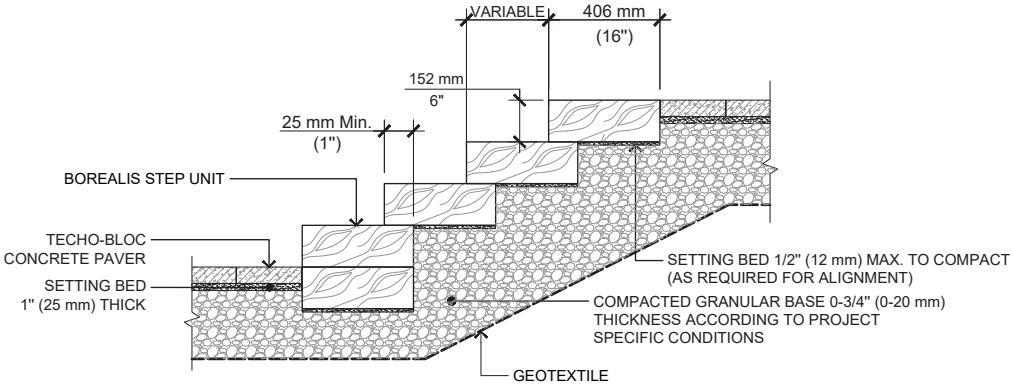
A	Unit dimensions	in	mm	Units/pallet
	Height	6	152	8 units
	Depth 1	15 ¾	400	
	Depth 2	16	406	
	Length	48	1 219	



NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

To achieve a natural appearance, product dimensions can vary ±3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width.



Smoked Pine



Hazelnut Brandy



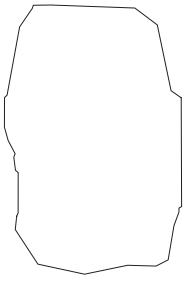
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



MAYA

DESCRIPTION: Step **TEXTURE:** Natural stone (Slate)

PALLET OVERVIEW

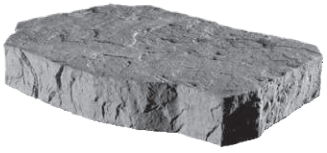


Specifications per pallet*	Imperial	Metric
Cubing	**1 unit**	1 unit
Approx. Weight	715 lbs	324 kg
Number of rows	1	
Coverage (Approx.)	10.6 ft²/unit	0.98 ft²/unit
Linear coverage per row (Approx.)	4 lin. ft	1.22 lin. m.

Specifications per pallet**	Imperial	Metric
Cubing	**4 units**	4 units
Approx. Weight	2 550 lbs	1 157 kg
Number of rows	4	
Coverage (Approx.)	16 lin. ft	4.88 lin. m.
Linear coverage per row (Approx.)	4 lin. ft	1.22 lin. m.



Unit dimensions	in	mm	Units/pallet
Height	6	152	1 unit*
Depth	32	813	4 units**
Length	48	1 219	

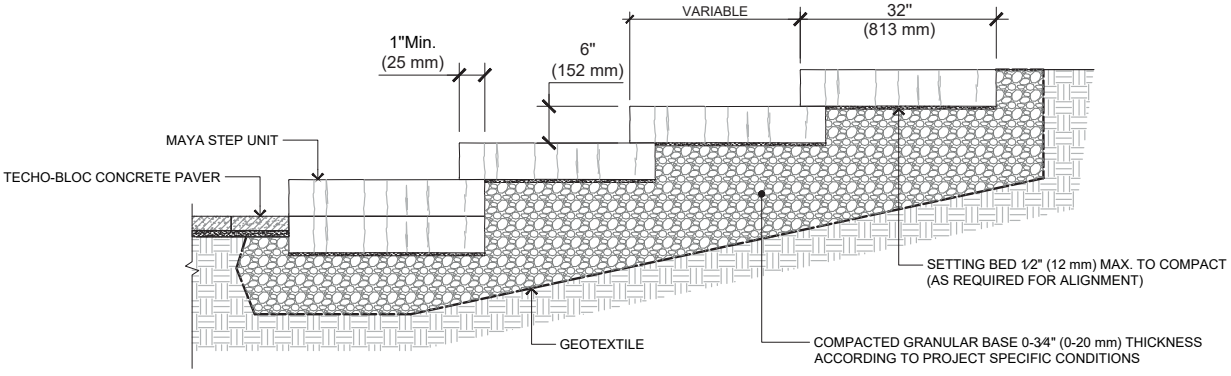


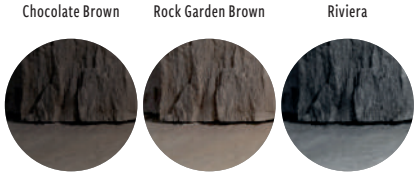
*Available while quantities last
**New packaging - Available Summer 2023

NOTES

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

To achieve a natural appearance, product dimensions can vary ±3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width.





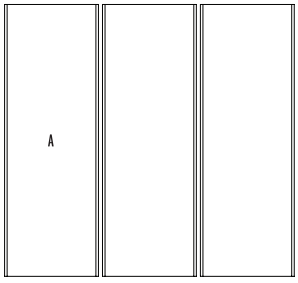
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



RAFFINATO

DESCRIPTION: Step **TEXTURE:** Smooth

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**9 units**	9 units
Approx. Weight	3 236 lbs	1 468 kg
Number of rows	3	
Linear coverage per row	10.5 lin. ft	3.2 lin. m
Linear coverage per pallet	31.5 lin. ft	9.6 lin. m



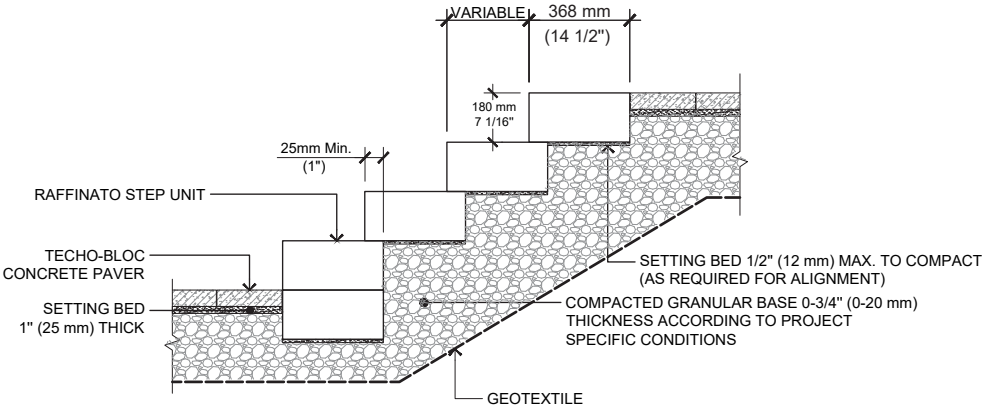
A

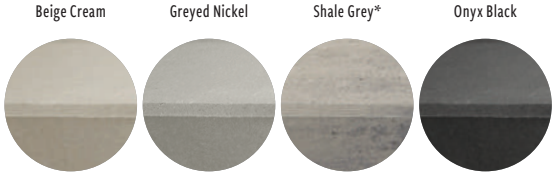
Unit dimensions	in	mm	Units/pallet
Height	7 1⁄16	180	9 units
Depth	14 ½	368	
Length	42	1 067	



D

*Shale Grey is available in Canada only.





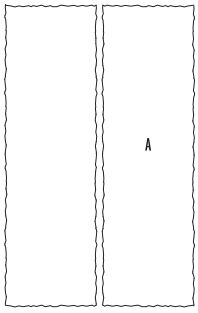
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



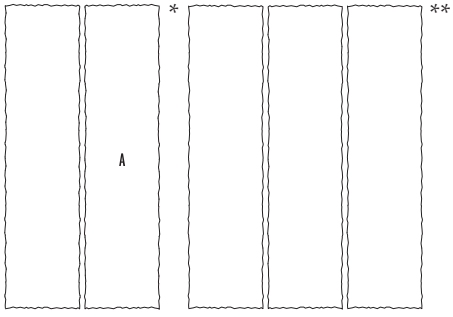
RÖCKA

DESCRIPTION: Steps **TEXTURE:** Natural stone (Fossil stone)

PALLET OVERVIEW - 48″



PALLET OVERVIEW - 60″



Specifications per pallet		Imperial	Metric
48″ DOUBLE-SIDED	Cubing	**8 units**	8 units
	Linear coverage per pallet	32 lin. ft	9.76 lin. m
	Approx. Weight	2 770 lbs	1 256 kg
	Number of rows	4	
	Linear coverage per row	8 lin. ft/row	2.44 lin. m/row



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth 1	14 ⅞	378	
Depth 2	14 ⅛	359	
Length	48	1 219	



Specifications per pallet*		Imperial	Metric
60″	Cubing	**2 units**	2 units
	Linear coverage per pallet	10 lin. ft/pal	3.05 lin. m/pal
	Approx. Weight	1 020 lbs	463 kg
	Number of rows	1	

Specifications per pallet**		Imperial	Metric
60″	Cubing	**6 units**	6 units
	Linear coverage per pallet	30 lin. ft/pal	9.14 lin. m/pal
	Approx. Weight	2 640 lbs	1 197 kg
	Number of rows	2	
	Linear coverage per row	15 lin. ft/row	4.57 lin. m/row



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	2 units*
Depth 1	15 ¼	387	6 units**
Depth 2	14 ⅝	371	
Length	60	1 524	



*Available while quantities last

**New packaging - Available Summer 2023

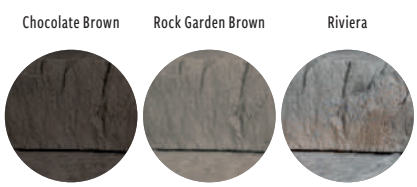
NOTES

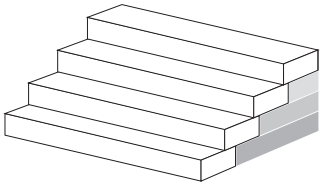
Röcka 48″ is a double-sided step. Each side has slight natural texture differences. Please take that into consideration when installing them side by side. We recommend keeping the same texture together.

Please note that there is a slight vertical angle on the front and back faces of the step ⅜″, from the bottom to the top of the step.

To achieve a natural appearance, product dimensions can vary ±3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.





RÖCKA

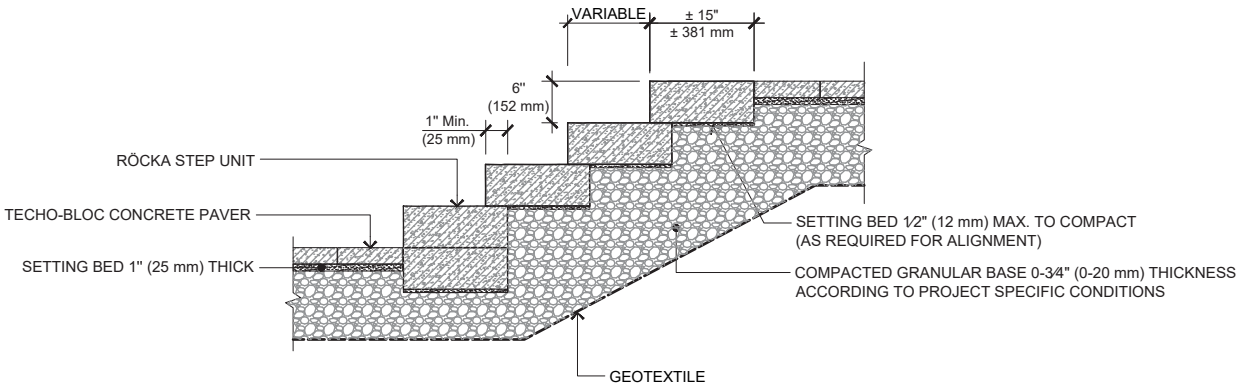
WALL & EDGE

When building a staircase, the Röcka wall can be used to complete the sides and act as part of a structural system. See the product specifications on page 247.

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

STEPS

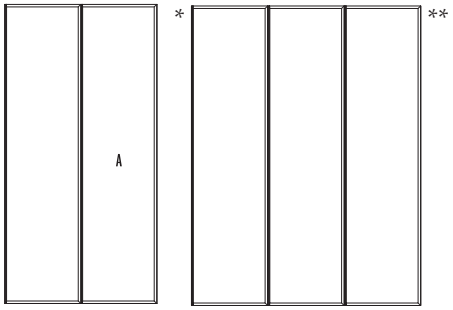




YORK 60"

DESCRIPTION: Step **TEXTURE:** Limestone surface with chiseled edges

PALLET OVERVIEW



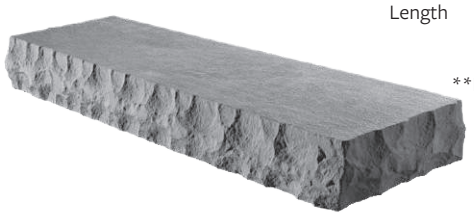
Specifications per pallet*	Imperial	Metric
Cubing	**2 units**	2 units
Linear coverage per pallet	10 lin. ft/pal	3.05 lin. m/pal
Approx. Weight	1 029 lbs	467 kg
Number of rows	1	

Specifications per pallet**	Imperial	Metric
Cubing	**6 units**	6 units
Linear coverage per pallet	30 lin. ft/pal	9.14 lin. m/pal
Approx. Weight	2 649 lbs	1 202 kg
Number of rows	2	
Linear coverage per row	15 lin. ft/row	4.57 lin. m/row



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	2 units*
Depth	15	381	6 units**
Length	60	1 524	



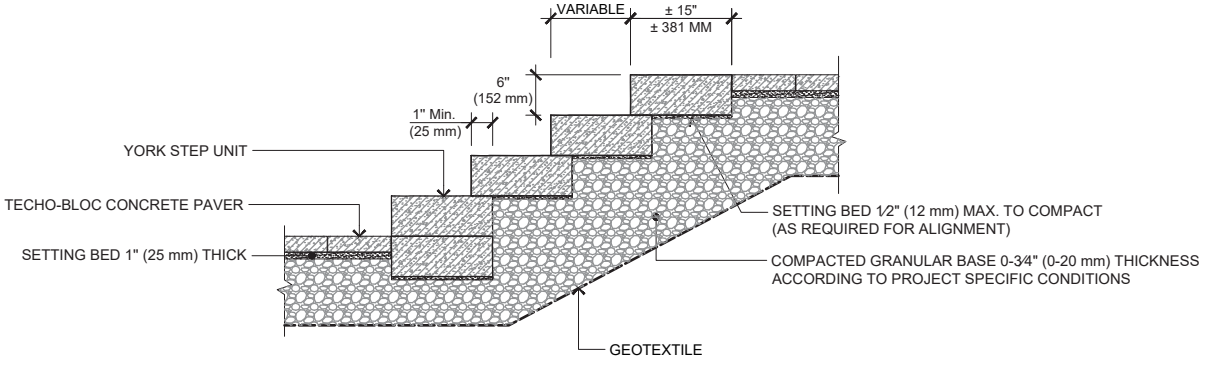
*Available while quantities last
**New packaging - Available Summer 2023

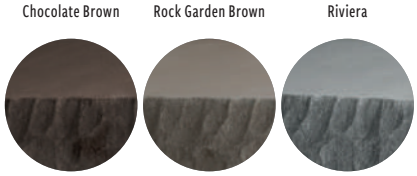
NOTES

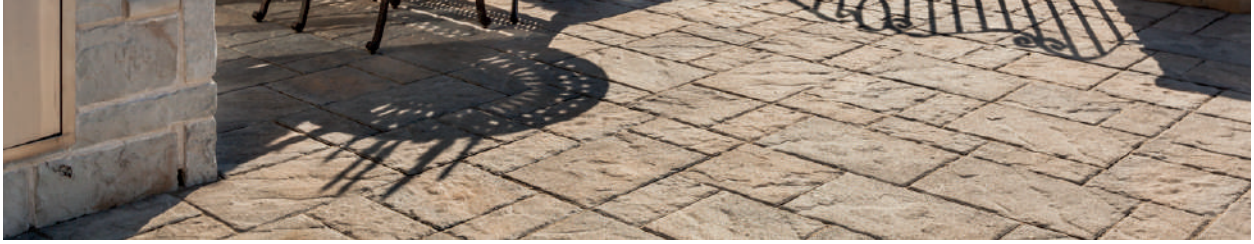
York is a single sided step chiseled on 3 sides.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

To achieve a natural appearance, product dimensions can vary ±3⁄16″ (5 mm) for height and ± ½″ (13 mm) for length and width.



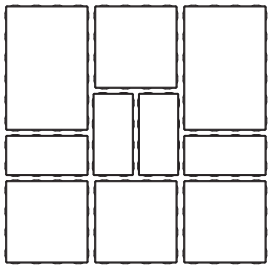




BLU 45 mm

DESCRIPTION: Concrete Overlay System **TEXTURE:** Slate

PALLET OVERVIEW



D

NOTES

Blu 45 mm should only be used to overlay existing concrete patios.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

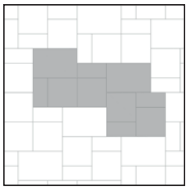
See page 242 for more technical information.

For joint filling surface coverage, see page 33.

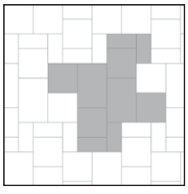
Specifications per pallet	Imperial	Metric
Cubing	**127.44 ft²**	11.84 m²
Approx. Weight	2 631 lbs	1 193 kg
Number of rows	12	
Coverage per row	10.62 ft²/row	0.99 m²/row

	Unit dimensions	in	mm	Units/pallet
A	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	6 ½	165	
B	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	13	330	
C	Height	1 ¾	45	24 units
	Depth	13	330	
	Length	19 ½	495	

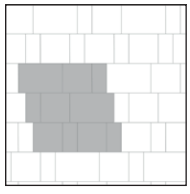
01 | Linear pattern



02 | Linear pattern



03 | Modular pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

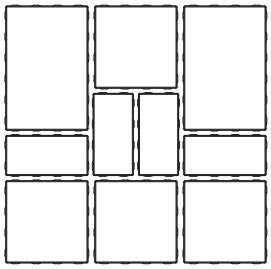




BLU 45 mm

DESCRIPTION: Concrete Overlay System **TEXTURE:** Smooth

PALLET OVERVIEW



D

NOTES

Blu 45 mm should only be used to overlay existing concrete patios.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

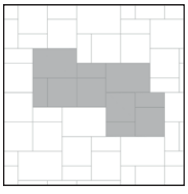
See 242 for more technical information.

For joint filling surface coverage, see page 33.

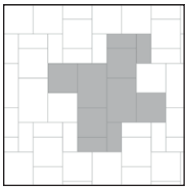
Specifications per pallet	Imperial	Metric
Cubing	**127.44 ft²**	11.84 m²
Approx. Weight	2 631 lbs	1 193 kg
Number of rows	12	
Linear coverage per row	10.62 ft²	0.99 m²

	Unit dimensions	in	mm	Units/pallet
A	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	6 ½	165	
B	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	13	330	
C	Height	1 ¾	45	24 units
	Depth	13	330	
	Length	19 ½	495	

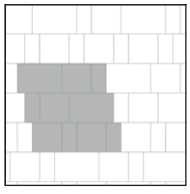
01 | Linear pattern



02 | Linear pattern



03 | Modular pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Champlain Grey



Beige Cream



Greyed Nickel



Shale Grey



Onyx Black

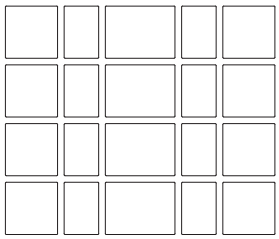




PACIFIC

DESCRIPTION: Concrete Overlay System **TEXTURE:** Smooth

PALLET OVERVIEW





Residential

NOTES

Pacific should only be used to overlay existing concrete patios.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 241 for more technical information.

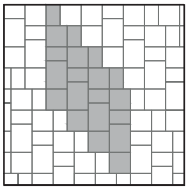
For joint filling surface coverage, see page 33.

Specifications per pallet	Imperial	Metric
Cubing	**173.60 ft²**	16.13 m²
Approx. Weight	2 415 lbs	1 095 kg
Number of rows	15	
Coverage per row	11.57 ft²/row	1.08 m²/row

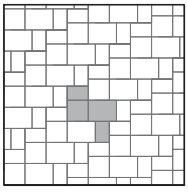
	Unit dimensions	in	mm	Units/pallet
A	Height	1 3/16	30	120 units
	Depth	6 5/16	160	
	Length	9 7/16	240	
B	Height	1 3/16	30	120 units
	Depth	9 7/16	240	
	Length	9 7/16	240	
C	Height	1 3/16	30	60 units
	Depth	9 7/16	240	
	Length	12 5/8	320	



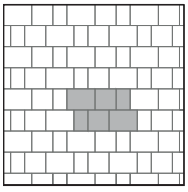
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Champlain Grey



Shale Grey

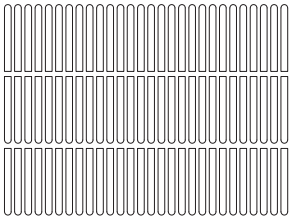




PACIFIC

DESCRIPTION: Cap **TEXTURE:** Smooth

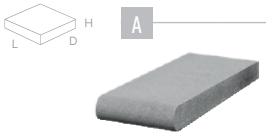
PALLET OVERVIEW





Residential

Specifications per pallet	Imperial	Metric
Cubing	**137.80 lin. ft.**	42.00 lin. m.
Approx. Weight	1 828 lbs	829 kg
Number of rows	5	
Coverage per row	27.56 lin. ft	8.40 lin. m



Unit dimensions	in	mm	Units/pallet
Height	1 3/16	30	420 units
Depth	11 13/16	300	
Length	3 15/16	100	

NOTES

Pacific should only be used to overlay existing concrete patios.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 241 for more technical information.

For joint filling surface coverage, see page 33.

Chestnut Brown



Champlain Grey



Shale Grey

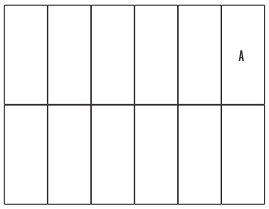




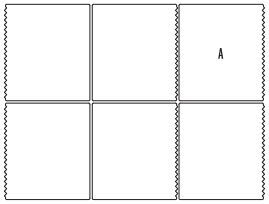
VENETIAN

DESCRIPTION: Step Overlay System **TEXTURE:** Slate

PALLET OVERVIEW - RISER



PALLET OVERVIEW - CAP



D

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 242 for more technical information.

Specifications per pallet		Imperial	Metric
RISER	Cubing	**48 units**	48 units
	Linear coverage per pallet	64 lin. ft	19.52 lin. m
	Approx. Weight	801 lbs	363 kg
	Units	1.33 lin. ft	0.41 lin. m
	Number of rows	4	
	Linear coverage per row	16 lin. ft	4.88 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	7	178	
Length	16	406	



Specifications per pallet		Imperial	Metric
CAP	Cubing	**48 units**	48 units
	Linear coverage per pallet	64 lin. ft	19.52 lin. m
	Approx. Weight	1 530 lbs	694 kg
	Units	1.33 lin. ft	0.41 lin. m
	Number of rows	8	
	Linear coverage per row	8 lin. ft	2.44 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	14	356	
Length	16	406	



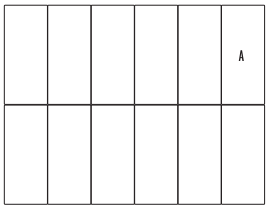




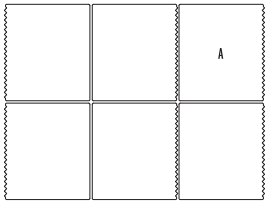
VENETIAN

DESCRIPTION: Step Overlay System **TEXTURE:** Smooth

PALLET OVERVIEW - RISER



PALLET OVERVIEW - CAP





NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 242 for more technical information.

Specifications per pallet		Imperial	Metric
RISER	Cubing	**48 units**	48 units
	Linear coverage per pallet	62.52 lin. ft	19.06 lin. m
	Approx. Weight	811 lbs	368 kg
	Units	1.30 lin. ft	0.40 lin. m
	Number of rows	4	
	Linear coverage per row	15.63 lin. ft	4.76 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	7	178	
Length	15 ⅝	397	

Specifications per pallet		Imperial	Metric
CAP	Cubing	**48 units**	48 units
	Linear coverage per pallet	62.52 lin. ft	19.06 lin. m
	Approx. Weight	1 500 lbs	680 kg
	Units	1.30 lin. ft	0.40 lin. m
	Number of rows	8	
	Linear coverage per row	7.81 lin. ft	2.38 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	14	356	
Length	15 ⅝	397	

Chestnut Brown | Champlain Grey | Beige Cream | Greyed Nickel | Shale Grey

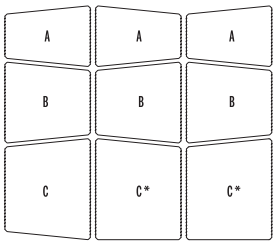




ARCHITECTURAL

DESCRIPTION: Cap Double-Sided **TEXTURE:** Split Face

PALLET OVERVIEW



D

COMPATIBLE WALLS

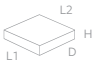
See page 240 for product compatibility.

NOTES

The C* unit can be used as left and right corner units. It can also be used as a regular unit.

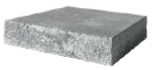
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Specifications per pallet	Imperial	Metric
Cubing	**66 lin. ft**	20.12 lin. m
Approx. Weight	2 390 lbs	1 084 kg
Number of rows	8	
Linear coverage per row	8.25 lin. ft	2.51 lin. m



A	Unit dimensions	in	mm	Units/pallet
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	8 7/8	225	
	Length 2	6 1/2	165	

B				
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	11 13/16	300	
	Length 2	9 7/16	240	

C				
	Height	2 15/16	75	8 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	12 3/8	315	

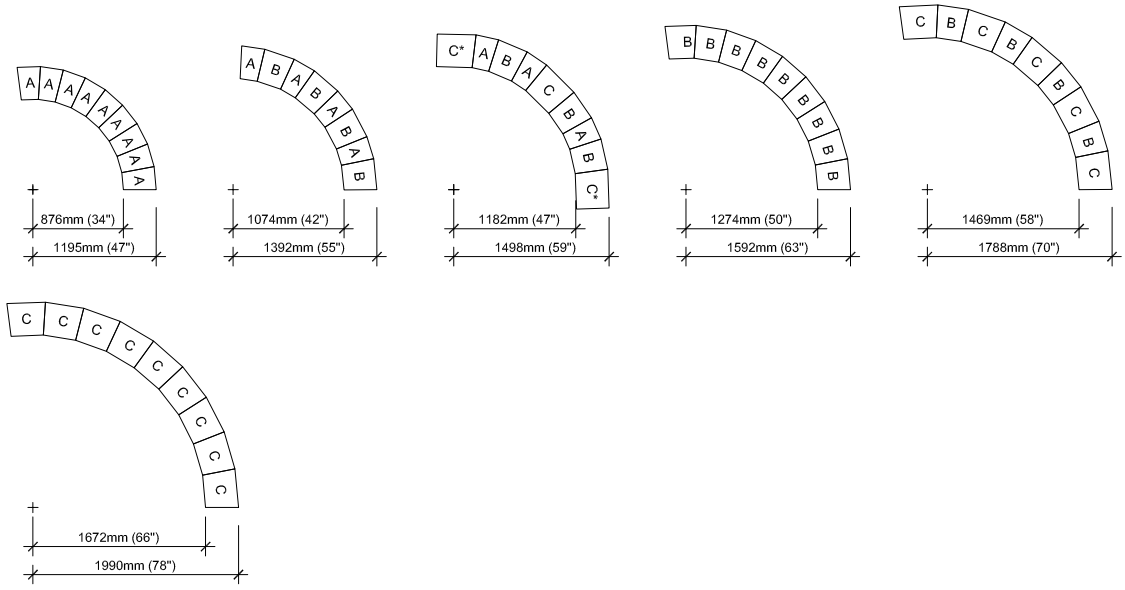
C*				
	Height	2 15/16	75	16 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	13 9/16	345	

Chocolate Brown | Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey | Onyx Black



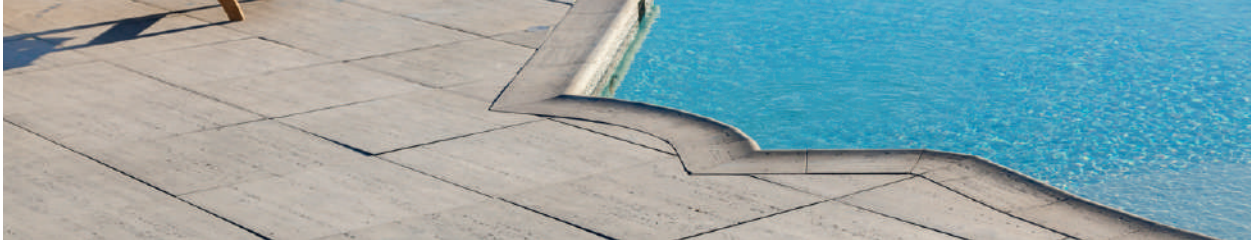
INSTALLATION GUIDE

CAP RADIUS - ARCHITECTURAL



It is the user's responsibility to verify for the quantity of materials required.

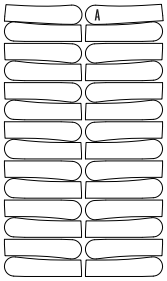
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



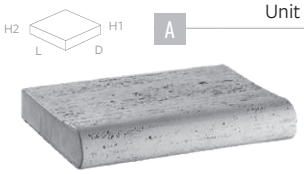
BALI TRAVERTINA RAW

DESCRIPTION: Bullnose Pool coping **TEXTURE:** Klean-Bloc Brushed Travertine

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**28 units**	28 units
Linear coverage per pallet	37.33 lin. ft	11.38 lin. m
Approx. Weight	1 069 lbs	485 kg
Number of rows	1	
Linear coverage per row	37.33 lin. ft	11.38 lin. m



Unit dimensions	in	mm	Units/pallet
Height 1	2 ¼	57	28 units
Height 2	2 ¾	70	
Depth	12	305	
Length	16	406	

Klean-Bloc technology
See page 20.

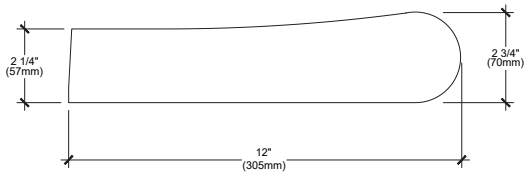
NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See 241 for more technical information.



Rock Garden Brown | Ivory | Riviera

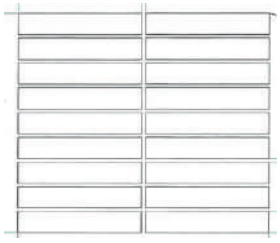




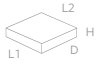
BRANDON

DESCRIPTION: Cap **TEXTURE:** Slate

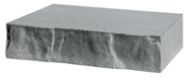
PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**24 lin. ft**	7.32 lin. m
Approx. Weight	1 213 lbs	550 kg
Linear coverage per row	24 lin. ft	7.32 lin. m
	1 lin. ft =.75 units	1 lin. m =2.46 units



A



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	18 units
Depth	14	356	
Length	16	406	

COMPATIBLE WALLS

See page 240 for product compatibility.

Chestnut Brown | Sandlewood | Champlain Grey | Shale Grey | Onyx Black

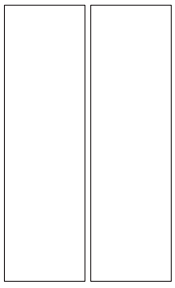




LIMESTONE NATURAL STONE COLLECTION

DESCRIPTION: Cap **TEXTURE:** Natural stone

PALLET OVERVIEW

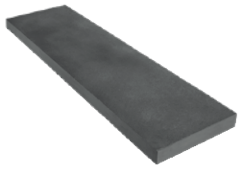


Specifications per pallet	Imperial	Metric
Cubing	**80 lin. ft**	24.38 lin. m
Approx. Weight	2 601 lbs	1 180 kg
Number of rows	10	
Coverage per row	8 lin. ft	2.44 lin. m



A

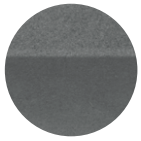
Unit dimensions	in	mm	Units/pallet
Height	1 15/16	50	20 units
Depth 1	14	356	
Length	48	1 219	



NATURAL STONE COLLECTION

Natural stones are products of nature. They are sold as is and are not covered by Techo-Bloc's Warranty. Installation is deemed acceptance of products.

Onyx Black

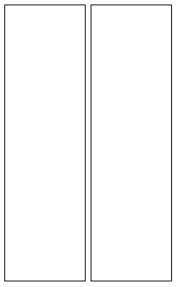




SANDSTONE & SANDSTONE BULLNOSE NATURAL STONE COLLECTION

DESCRIPTION: Cap **TEXTURE:** Natural stone

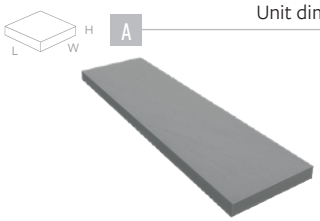
PALLET OVERVIEW



NATURAL STONE COLLECTION

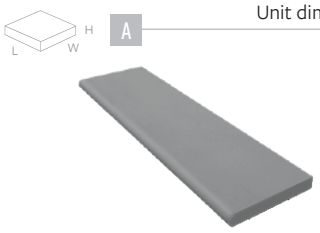
Natural stones are products of nature. They are sold as is and are not covered by Techo-Bloc's Warranty. Installation is deemed acceptance of products.

Specifications per pallet		Imperial	Metric
Sandstone	Cubing	**80 lin. ft**	24.38 lin. m
	Approx. Weight	2 515 lbs	1 141 kg
	Number of rows	10	
	Coverage per row	8 lin. ft	2.44 lin. m



Unit dimensions	in	mm	Units/pallet
Height	1 15/16	50	20 units
Depth	14	356	
Length	48	1 219	

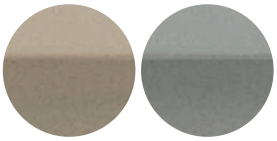
Specifications per pallet		Imperial	Metric
Sandstone Bullnose	Cubing	**80 lin. ft**	24.38 lin. m
	Approx. Weight	2 515 lbs	1 141 kg
	Number of rows	10	
	Coverage per row	8 lin. ft	2.44 lin. m



Unit dimensions	in	mm	Units/pallet
Height	1 15/16	50	20 units
Width	14	356	
Length	48	1 219	

Sandstone

Beige



Grey

Sandstone Bullnose

Beige



Grey

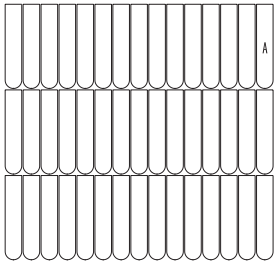




BULLNOSE

DESCRIPTION: Cap and pool coping **TEXTURE:** Smooth

PALLET OVERVIEW



D

COMPATIBLE WALLS

See page 240 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 241 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**180 units**	180 units
Linear coverage per pallet	88.60 lin. ft	27 lin. m
Units	2 units/lin. ft	6.56 units/lin. m
Approx. Weight	2 435 lbs	1 104 kg
Number of rows	4	
Linear coverage per row	22.15 lin. ft	6.75 lin. m
	1 lin. ft =2.03 units	1 lin. m =6.67 units



A

Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	180 units
Depth	12	305	
Length	5 7/8	150	



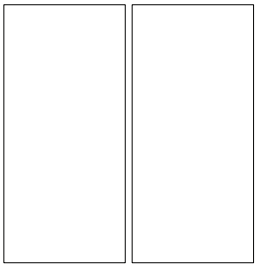




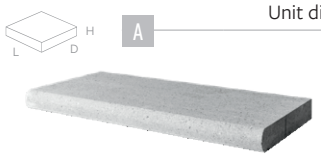
BULLNOSE GRANDE

DESCRIPTION: Cap and pool coping **TEXTURE:** Polished

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**12 units**	12 units
Linear coverage per pallet	29.53 lin. ft	9 lin. m
Approx. Weight	940 lbs	426 kg
Number of rows	6	
Linear coverage per row	4.92 lin. ft	1.50 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 3⁄16	56	12 units
Depth	14 1⁄16	357	
Length	29 ½	750	

D

COMPATIBLE WALLS

See page 240 for product compatibility.

NOTES

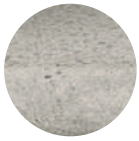
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 241 for more technical information.

Beige Cream



Greyed Nickel

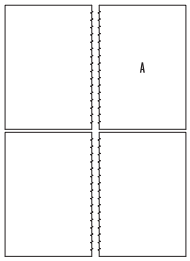




GRAPHIX

DESCRIPTION: Reversible Cap **TEXTURE:** Split Face and Smooth

PALLET OVERVIEW



D

COMPATIBLE WALLS

See page 240 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Specifications per pallet	Imperial	Metric
Cubing	**28 units**	28 units
	46.67 lin. ft	14.22 lin. m
Units	0.60 unit/lin. ft	1.97 unit/lin. m
Approx. Weight	1 950 lb	885 kg
Number of rows	7	
Linear coverage per row	6.67 lin. ft	2.03 lin. m
	1 lin. ft = 0.60 unit	1.96 lin. m/unit



A

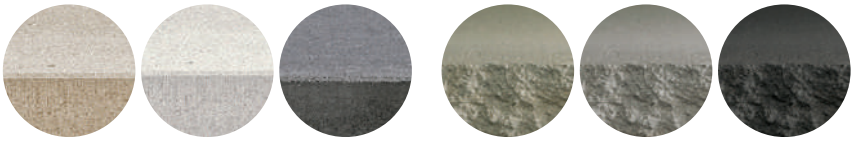
Unit dimensions	in	mm	Units/pallet
Height	2 15/16	75	28 units
Depth	14	355	
Length	20	508	



split face side



smooth side

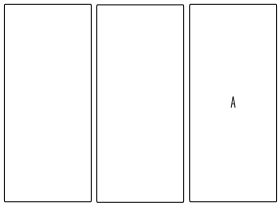




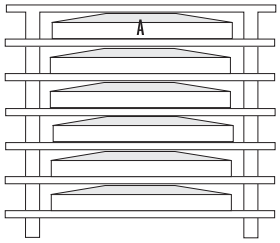
PIEDIMONTE

DESCRIPTION: Cap double-sided **TEXTURE:** Klean-Bloc Thermal

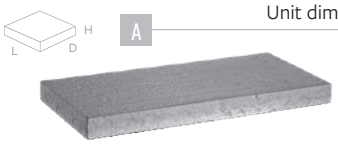
PALLET OVERVIEW - 14″×30″



PALLET SIDE VIEW - 28″×28″

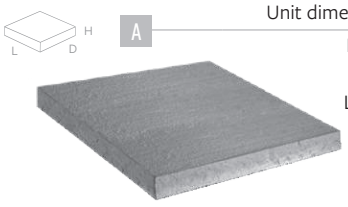


Specifications per pallet		Imperial	Metric
14″×30″ WALL & STEP CAP	Cubing	**60 lin. ft**	18.29 lin. m
	Approx. Weight	1 840 lbs	835 kg
	Number of rows	8	
	Linear coverage per row	7.5 lin. ft	2.29 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	24 units
Depth	14	356	
Length	30	762	

Specifications per pallet		Imperial	Metric
28″×28″ PILLAR CAP	Cubing	**6 units**	6 units
	Approx. Weight	1 434 lbs	650 kg
	Number of rows	6	



Unit dimensions	in	mm	Units/pallet
Height	2 ⅞	73	6 units
Depth	28	711	
Length	28	711	

COMPATIBLE WALLS

See page 240 for product compatibility.

Klean-Bloc technology
See page 20.

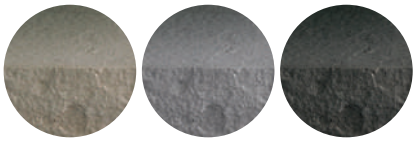
NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To acheive a natural appearance, stone dimension can vary up to ¼″. Metric measures are approximate.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Rock Garden Brown | Riviera | Onyx Black

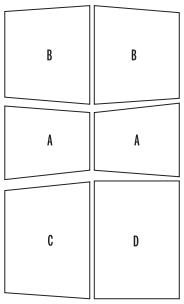




PORTOFINO

DESCRIPTION: Cap double-sided **TEXTURE:** Natural stone (Fossil stone)

PALLET OVERVIEW



COMPATIBLE WALLS

See page 240 for product compatibility.

NOTES

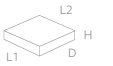
You can use the D cap as a left or right corner. It can also be used as a regular unit.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

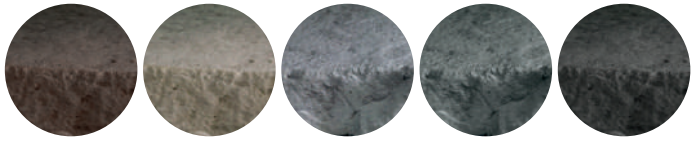
To acheive a natural appearance, stone dimension can vary up to ¼". Metric measures are approximate.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet	Imperial	Metric
Cubing	**50.22 lin. ft**	15.30 lin. m
Approx. Weight	1 712 lbs	777 kg
Number of rows	7	
Linear coverage per row	7.17 lin. ft	2.19 lin. m

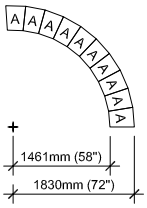


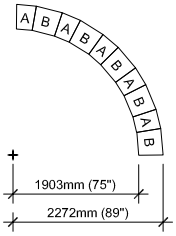
	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¼	57	14 units
	Depth	14 ½	368	
	Length 1	11 ¾	298	
	Length 2	9 ⅜	238	
B	Height	2 ¼	57	14 units
	Depth	14 ½	368	
	Length 1	15 ⅞	403	
	Length 2	13 ¾	349	
C	Height	2 ¼	57	7 units
	Depth	14 ½	368	
	Length 1	18 13/16	478	
	Length 2	16 ½	419	
D	Height	2 ¼	57	7 units
	Depth	14 ½	368	
	Length 1	19	483	
	Length 2	19	483	

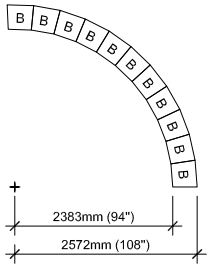


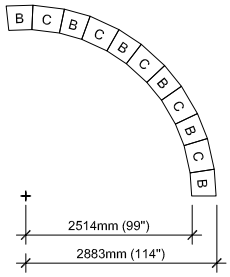
INSTALLATION GUIDE

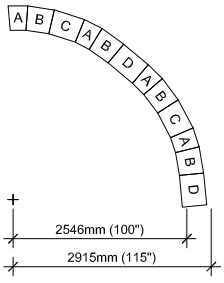
CAP RADIUS - PORTOFINO

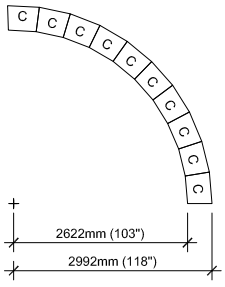












It is the user's responsibility to verify for the quantity of materials required.

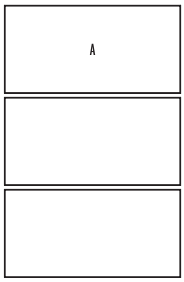
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



RAFFINATO 14″×28″

DESCRIPTION: Cap double-sided **TEXTURE:** Smooth

PALLET OVERVIEW - 14″×28″



Specifications per pallet		Imperial	Metric
90 mm	Cubing	**24 units**	24 units
	Approx. Weight	2 783 lbs	1 262 kg
	Number of rows	8	
	Linear coverage per pallet	56 lin. ft	17.07 lin. m
	Linear coverage per row	7 lin. ft	2.13 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	24 units
Depth	14	356	
Length	28	711	

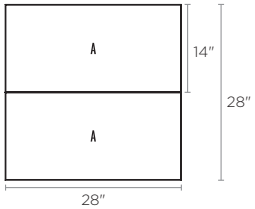


COMPATIBLE WALLS

See page 240 for product compatibility.

NOTES

By placing two units side by side, you will obtain a 28″ pillar cap.



COMPATIBLE PILLARS

Pillar 24 (Mini-Creta 3″ & 6″), Pillar 24″ (Mini-Creta 6″ Architectural), Manchester, Prescott 2,25 & 4,5, Raffinato 90 mm & 180 mm smooth.

Specifications per pallet		Imperial	Metric
60 mm	Cubing	**24 units**	24 units
	Approx. Weight	1 843 lbs	836 kg
	Number of rows	8	
	Linear coverage per pallet	56 lin. ft	17.07 lin. m
	Linear coverage per row	7 lin. ft	2.13 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	24 units
Depth	14	356	
Length	28	711	



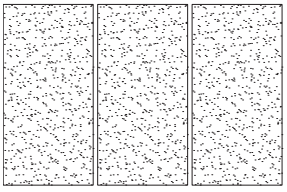




TRAVERTINA RAW

DESCRIPTION: Cap double-sided **TEXTURE:** Klean-Bloc Brushed Travertine

PALLET OVERVIEW 14″X28″



Specifications per pallet		Imperial	Metric
14x28″	Cubing	**24 units**	24 units
		56 lin. ft	17.07 m. lin
	Approx. Weight	1 684 lbs	764 kg
	Number of rows	8	
	Linear coverage per row	7 lin. ft/row	2.13 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	24 units
Depth	14	356	
Length	28	711	

COMPATIBLE WALLS

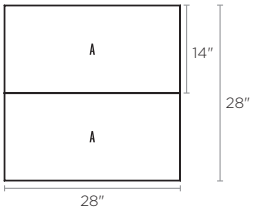
See page 240 for product compatibility.

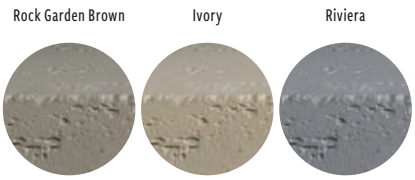
Klean-Bloc technology

See page 20.

NOTES

By placing two units side by side, you will obtain a 28″ pillar cap.



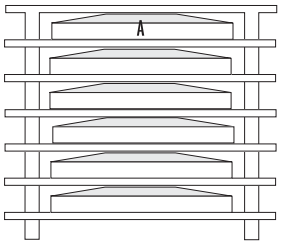




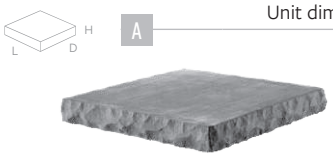
YORK PILLAR CAPS

DESCRIPTION: Cap double-sided **TEXTURE:** Klean-Bloc Brushed Limestone surface with chiseled edges

PALLET SIDE VIEW - 28″ AND 32″

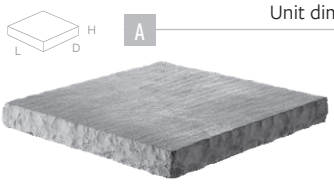


Specifications per pallet		Imperial	Metric
28″x28″	Cubing	**6 units**	6 units
	Approx. Weight	1 676 lbs	760 kg
	Number of rows	6	



Unit dimensions	in	mm	Units/pallet
Height	3 ½	89	6 units
Depth	28 ¾	730	
Length	28 ¾	730	

Specifications per pallet		Imperial	Metric
32″x32″	Cubing	**6 units**	6 units
	Approx. Weight	2 083 lbs	945 kg
	Number of rows	6	



Unit dimensions	in	mm	Units/pallet
Height	3 ½	89	6 units
Depth	32	813	
Length	32	813	

COMPATIBLE PILLARS - YORK 28″

See page 240 for product compatibility.

COMPATIBLE PILLAR - YORK 32″

See page 240 for product compatibility.

Klean-Bloc technology
See page 20.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To acheive a natural appearance, stone dimension can vary up to ¼″.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

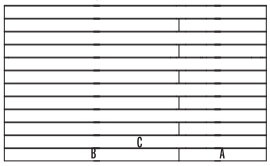




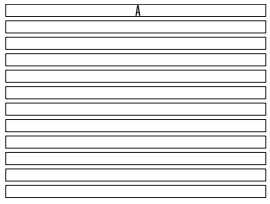
YORK

DESCRIPTION: Wall caps double-sided **TEXTURE:** Klean-Bloc Brushed Limestone surface with chiseled edges

PALLET OVERVIEW - 14″×16″, 14″×32″ & 14″×48″



PALLET OVERVIEW - 14″×48″



COMPATIBLE WALLS

See page 240 for product compatibility.

Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To acheive a natural appearance, stone dimension can vary up to ¼″.

Metric measures are approximate.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet		Imperial	Metric
14″×16″ 14″×32″ 14″×48″	Cubing	**48 lin. ft**	14.63 lin. m
	Approx. Weight	1 597 lbs	724 kg
	Number of rows	1	
	Linear coverage per palett	48 lin. ft	14.63 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	6 units
Depth	14	356	
Length	16	406	

B*



Height	2 ¼	57	6 units
Depth	14	356	
Length	32	813	

*Double sided unit with finished texture at one end

C



Height	2 ¼	57	6 units
Depth	14	356	
Length	48	1 219	

Specifications per pallet		Imperial	Metric
14″×48″	Cubing	**48 lin. ft**	14.63 lin. m
	Approx. Weight	1 582 lbs	718 kg
	Number of rows	1	
	Linear coverage per unit	4 lin. ft	1.22 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	12 units
Depth	14	356	
Length	48	1 219	

Chocolate Brown | Rock Garden Brown | Ivory | Riviera | Onyx Black

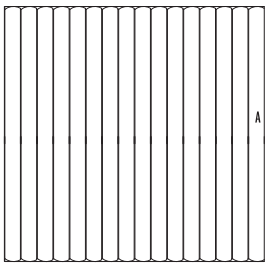




YORK 24″×36″

DESCRIPTION: Counter top **TEXTURE:** Klean-Bloc Brushed Limestone surface with chiseled edges on the four sides

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
24″x 36″	Cubing	**16 units**	16 units
	Approx. Weight	2 595 lbs	1 177 kg
	Number of rows	1	



Unit dimensions	in	mm	Units/pallet
A			
Height	2 ¼	57	16 units
Depth	24	610	
Length	36	914	



Klean-Bloc technology
See page 20.

NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To acheive a natural appearance, stone dimension can vary up to ¼″.

Metric measures are approximate.

*For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.



ACCESSORIES

ADHESIVES, BASE & EDGE, BUZON PEDESTALS, CLEANERS &
ACCESSORIES, GEOGRID, GEOTEXTILE, JOINT STABILIZERS, SEALERS



ADHESIVES



GATOR ULTRA PERFORMANCE CONCRETE ADHESIVE

Gator Ultra Low VOC is one of the strongest polyurethane adhesives on the market. It strongly adheres to concrete pavers, stones, retaining wall, masonry units & bricks. It is especially formulated for overlays, pool copings, steps & wall caps. Gator Ultra Low VOC Polyurethane Adhesive is designed to provide a permanent bond in 24 hours to the above materials if properly installed.

007029 ● Gator Ultra Performance Concrete Adhesive, 10 oz
007030 ● Gator Ultra Performance Concrete Adhesive, 28 oz

BASE & EDGE



GATOR BASE

Gator Base is an evolution in base technology saving you time, labor and money for pedestrian applications. Designed with a tongue and groove system Gator Base is easy to install. Evacuating water through its channels Gator Base is equivalent to 288 lbs (130 kg) of crushed stone, saving you 6 in (15 cm) of extra excavation. Gator Base is manufactured using lightweight high-density polypropylene and is environment-friendly and 100% recyclable. Extremely durable, Gator Base will not degrade in the ground.

007028 ● Gator Base



GATOR EDGES TILES

Gator Base is an evolution in base technology saving you time, labor and money for pedestrian The GATOR TILE EDGE is the fully customizable solution to run around the perimeter of your finished porcelain tile installation, providing stability and strong lateral support. The Gator Edge is made with 100 % polyethylene.

005146 ● Gator Edges Tiles



GATOR EDGES MINI-PRO

Gator Edge Mini is made with 100 % Polyethylene. This will give it great strength as well as provide great flexibility. Paving Edge for natural stone and all types of slabs. It is easy to use and quick to install. Gator Edge MiniI model is ideal for applications for up to 1" that can be used for all applications such as walkways, paths, entrances etc.

005145 ● Gator Edges Mini-Pro



GATOR EDGE FLEX 8 FT

Gator Edge Flex is easy to use and quick to install offering a great lateral support and makes definition easier for alleys, driveways or sidewalks. Made with 100% polypropylene for strength and flexibility. Gator Edge Flex can be interconnected with the "Twist & Lock" system. Gator Screws are used to fasten Gator Flex edge to the Gator Base or can be fastened with Gator Nails in a traditional foundation.

001828 ● Gator Edge Flex - 8 FT



GATOR EDGE RIGID - 8 FT

Gator Edge Rigid is easy to use and quick to install offering a great lateral support and makes definition easier for alleys, driveways or sidewalks. Made with 100% polypropylene for strength and flexibility. Gator Edge Rigid can be interconnected with the "Twist & Lock" system. Gator Screws are used to fasten Gator Rigid edge to the Gator Base or can be fastened with Gator Nails in a traditional foundation.

001829 ● Gator Edge Rigid - 8 FT

BASE & EDGE



GATOR NAIL SPIRAL

Alliance Gator Nails are high quality nails which are available in lengths of 10 in and 12 in, spiral models. Gator nails are designed for use with Gator Edge.

005718 • Gator Spiral Nail 10″
005719 • Gator Spiral Nail 12″



GATOR COMMON NAIL

Alliance Gator Nails are high quality nails which are available in lengths of 10 in and 12 in, common models. Gator nails are designed for use with Gator Edge.

001830 • Gator Common Nail 10″
005144 • Gator Common Nail 12″



GATOR SCREW

Fastening Gator Edge with the GATOR BASE SCREW through the Gator Base reinforces the outside perimeter, creating a strong lateral support. GATOR BASE SCREWS are a required component on any Gator Base install.

005147 • Gator Screw
Packaging: • 50 Screws/Pack, 20 packs/Box



GATOR SPACER

GATOR SPACER provides uniform spacing and unparalleled horizontal and vertical stability to the system. Available in joint sizes of 1/8”, 3/16” and 1/4” (3,2 mm, 4,8 mm and 6,4 mm).

005148 • Gator Spacer 1/4″-6.4 mm
005149 • Gator Spacer 3/16″-4.8 mm
005150 • Gator Spacer 1/8″-3.2 mm

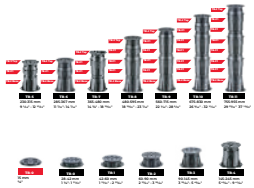


GATOR XTREME EDGE

Gator XTreme Edge is the ultimate fiber-reinforced and polymer modified structural edge, which creates a strong and economical edging solution for any hardscape project. Gator XTreme Edge can be used on any traditional, permeable, Gator Base, or overlay application using concrete pavers and slabs or natural and wet cast stones. Gator XTreme Edge offers permanent continuous lateral support.

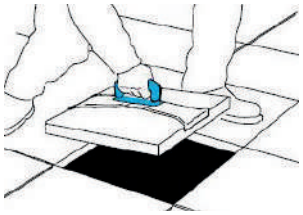
006016 • Gator Xtreme Edge

BUZON PEDESTALS



BUZON TB SERIES PEDESTAL

The TB polypropylene pedestal is hard-wearing like all BUZON products, but this one is really the designer's best friend. The BUZON TB Series pedestal has an adjustable height of 28 to 1130 and a multi-angle head. Your creativity will get a free rein thanks to their fully independent tabs which can be fixed or pivoting. The TB polypropylene pedestal is suited to a range of joint and slab dimensions allowing them to be used with non-standard paving slabs. BUZON TB-0 is a 11mm fixed height pedestal and the BUZON TB-1 is a 14mm fixed height pedestal.



BUZON GRIP LIFTING TOOL

Paver or Tile lifting tool



BUZON KEY

BUZON key wrench to adjust pedestal height when loaded with pavers

CLEANERS & ACCESSORIES



GATOR EFFLORESCENCE CLEANER

Gator Efflorescence Cleaner will remove any efflorescence stains trapped in the concrete pavers and natural stone pores. It will make the pavers look more clean and vibrant without discoloring or damaging the paver surface. This efflorescence cleaning is a necessary step before a sealer is applied. The sealer will be able to get a deeper penetration into the now-clean pores.

002419 • Gator Efflorescence Cleaner 1 GAL
002420 • Gator Efflorescence Cleaner 5 GAL



GATOR RUBBER PAINT & TAR REMOVER

Gator Rubber, Paint and Tar Remover + is effective in removing rubber, paint and tar from the surface of concrete pavers and natural stones. Furthermore, it could be used to emulsify some sealers and could be used as a cleaning agent when using a bonding agent such as Gator Rock Bond.

002423 • Gator rubber paint & tar remover 1 quart



GATOR RUST REMOVER

Gator Rust Remover is effective in removing rust on the surface of concrete pavers and natural stones..

002425 • Gator Rust Remover 1 QUART

CLEANERS & ACCESSORIES



GATOR SHAMPOO

Gator Shampoo removes ground-in dirt from the surface of concrete pavers and natural stones. It will make the pavers, patio slabs, walls & natural stones look clean and vibrant.

002421 • Gator Shampoo 1 GAL
002422 • Gator Shampoo 5 GAL



GATOR OIL AND GREASE CLEANER

Gator Clean XP Oil and Grease Remover easily removes tough stains such as motor oil, cooking oil & grease. Just shake the bottle, spread it on the stain, let it dry, and sweep it up. Use it on concrete, brick and stone. Not recommended for synthetic oil stains. Gator Clean XP Oil and Grease Remover is biodegradable and phosphate-free. Shake it, Spread it (let it dry), Sweep it!

002424 • Gator Oil and Grease Cleaner



GATOR ECO STRIPPER

Gator Sealer Stripper is extremely effective for removing sealer from concrete paver or stone. It is a paste, it is easily applied with a brush, or roller. Gator Sealer Stripper is formulated to remain wet and effective over extended periods. Always preform a test area to determine exact reacting time. To use, apply to surfaces with a brush, roller according to test patch results. Once is ready to be removed use power washer to strip surface. Be sure to scrub remaining residue with nylon brush and water. Allow surfaces to air dry before resealing.!

007031 • Gator Eco Stripper (4 x 1 GAL)
007032 • Gator Eco Stripper (5 GAL)



GATOR PROFESSIONAL GRADE EFFLORESCENCE

Professional Grade Gator Efflorescence & Slurry Remover will remove any efflorescence stains trapped in the concrete pavers, wet cast & natural stone pores. It will make the pavers look more clean and vibrant without discoloring or damaging the paver surface. This efflorescence cleaning is a necessary step before a sealer is applied. Ideal Mixture: 8 parts water 1 part product. Further dilution is possible. You must test all dilutions on small inconspicuous area of 4 sq. ft. to insure no etching of the surfaces. Please read all instructions before applying this product.

008356 • Gator Professionnal Grade Efflorescence 5 GAL



GATOR SPRAYER

Use a Gator Sprayer it is easy to use and will provides an accurate water-to-cleaner mix ratio. Connects directly to your garden hose when using the Gator Shampoo or Gator Efflorescence Cleaner, just adjust the knob for the select product and apply the diluted product on the wet paver surface and proceed with the brushing and the rinsing of the paved surface.

008991 • Gator Sprayer



GATOR ROCK BOND

Mixed Gator Rock Bond with 100% washed and dried riverstone creates a durable permeable and decorative surface. Great for garden pathways where erosion and drainage is a concern, at the same time, it reduces maintenance and clean-up and is durable in extreme conditions.

002464 • Gator Rock Bond, (Binder only) 1 GAL
007590 • Gator Rock Bond Kit, (Rock & Binder) PAIL

CLEANERS & ACCESSORIES



GATORENE

Gatorene is ideal for removing, retouching & restoring water & solvent-based sealers. Gatorene will also remove certain adhesives, and is an excellent clean-up solvent for tools and equipment immediately after use. Not intended for sale or use in California. It is also great for clean up and flushing of sealers, metal sprayers.

001883 • Gator Gatorene 1 GAL



GATOR YELLOW ROLLER WATER BASE 9 1/2″

For use with water based sealers.

005484 • Gator Roller, Water Base, Yellow 9.5″ (Only available in Canada)



GATOR YELLOW ROLLER WATER BASE 9″

For use with water based sealers.

002426 • Gator Roller, Water Base, Yellow 9″ (Only available in USA)



GATOR ROLLER, SOLVENT BASE, BLACK 9.5″

Gator Black Roller, Solvant Base, 9 1/2″

005483 • Gator Roller, Solvent Base,Black 9.5″ (Only available in Canada)

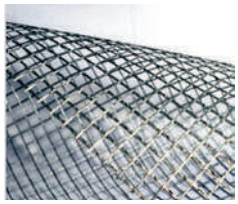


GATOR ROLLER, SOLVENT BASE, BLACK 9″

Gator Black Roller, Solvant Base, 9″

007591 • Gator Roller, Solvent Base,Black 9″ (Only available in USA)

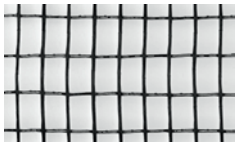
GEOGRID



MIRAGRID® 2XT

Miragrid® 2XT biaxial geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns that are woven in tension and finished with a PVC coating. Miragrid® 2XT is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. Miragrid® 2XT has been tested with the Techo-Bloc wall systems as per NCMA and ASTM guidelines and provides exceptional connection strengths. Wall builders prefer Miragrid® 2XT because it lays flat when deployed, is lightweight, and simple to cut to design length or work around obstructions.

001820 • Miragrid Geogrid GMG 2XT, 6' X 150'
006502 • Miragrid Geogrid GMG 2XT, 4' X 50'
006503 • Miragrid Geogrid GMG 2XT, 6' X 50'
006504 • Miragrid Geogrid GMG 2XT, 12' X 150'



MIRAGRID® 3XT

Miragrid® 3XT uniaxial geogrid is composed of high molecular weight, high tenacity polyester multifilament yarns that are woven in tension and finished with a PVC coating. Miragrid® 3XT is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. Miragrid® 3XT has been tested with the Techo-Bloc wall systems as per NCMA and ASTM guidelines and provides exceptional connection strengths. Wall builders prefer Miragrid® 3XT because it lays flat when deployed, is lightweight, and simple to cut to design length or work around obstructions.

001821 • Miragrid Geogrid GMG 3XT, 6' X 150'
001822 • Miragrid Geogrid GMG 3XT, 12' X 150'
005637 • Miragrid Geogrid GMG 3XT, 6' X 300'

GEOTEXTILE



GATOR FABRIC GF20

Gator Fabric GF20 Polyspun has a hydrophilic treatment that allows more air and water to pass through and reach the plant. Gator Fabric GF20 is a geotextile that protects against the growth of weeds. It is specially formulated to resist deterioration due to exposure to ultraviolet light and is inert to commonly encountered soil chemicals. Gator Fabric GF20 will not rot or mildew, and is non-biodegradable.

005986 • Gator Fabric 20 Polyspun, 3′ X 50′ - 16 Rolls/Box
005987 • Gator Fabric 20 Polyspun, 3′ X 100′ - 9 Rolls/Box
005988 • Gator Fabric 20 Polyspun, 4′ X 50′ - 16 Rolls/Box
005989 • Gator Fabric 20 Polyspun, 4′ X 100′ - 9 Rolls/box
005990 • Gator Fabric 20 Polyspun, 6′ X 100



GATOR FABRIC GF3

Gator Fabric GF3 is a Spunbond fabric (Thermal, at-bonded) made of polyester that allows air and water to pass through and reach the plant. It's formulated to resist deterioration due to exposure to ultraviolet light, mildew, non-biodegradable and is inert to commonly encountered soil chemicals. Gator Fabric GF3 is commonly used as weed barriers in landscape, planting bed, under mulch, decorative rock and has an expected lifespan 20 year.

005558 • Gator Fabric 3 Spun Bond 3′ X 50′ - 35 Rolls/Box
005559 • Gator Fabric 3 Spun Bond 3′ X 100′ - 16 Rolls/Box
005560 • Gator Fabric 3 Spun Bond 4′ X 50′ - 35 Rolls/Box
005561 • Gator Fabric 3 Spun Bond 4′ X 100′ - 16 Rolls/Box
005566 • Gator Fabric 3 Spun Bond 6′ X 100′
005567 • Gator Fabric 3 Spun Bond 6′ X 300′



GATOR FABRIC GF3.5

Gator Fabric GF3.5 Non-Woven geotextile is ideal for drainage, filtration and will allow water flow of 165 gallons per minutes per square foot in a paver or retaining wall applications. Its filament fibers are used for soil separation and drainage. They combine high durability along with excellent physical and hydraulic properties. It is non-biodegradable

005688 • Gator Fabric 3.5, Non-woven, 3′ X 100′- 6 Rolls/Box
005689 • Gator Fabric 3.5, Non-woven, 4′ X 100′ - 6 Rolls/Box
005690 • Gator Fabric 3.5, Non-woven, 6′ X 100′
005691 • Gator Fabric 3.5, Non-woven, 6′ X 300′
005694 • Gator Fabric 3.5, Non-woven, 12′ X 400′



GATOR FABRIC GF4.4

Gator Fabric GF4,4 Non-Woven geotextile is ideal for drainage, filtration and will allow water flow of 135 gallons per minutes per square foot in a paver or retaining wall applications. Its filament fibers are used for soil separation and drainage. They combine high durability along with excellent physical and hydraulic properties. It is non-biodegradable

005695 • Gator Fabric 4.4, Non-Woven, 3′ X 100′ - 6 Rolls/Box
005978 • Gator Fabric 4.4, Non-Woven, 4′ X 100′ - 6 Rolls/Box
005979 • Gator Fabric 4.4, Non-Woven, 6′ X 100′
005980 • Gator Fabric 4.4, Non-Woven, 6′ X 300′
005981 • Gator Fabric 4.4, Non-Woven, 12′ X 400′



GATOR FABRIC GF5

Gator Fabric GF5 is a woven geotextile made from polypropylene strips, forming a stable and durable network such that the strips retain their relative position. It provides separation for good subgrades by preventing mixing of subgrade soils. A woven geotextile can achieve higher tensile strength at low elongation.It is non-biodegradable and resist bio-chemical compound.

005982 • Gator Fabric 5, Woven, 4′ X 100′ - 9 Rolls/Box
005983 • Gator Fabric 5, Woven, 6.25′ X 100′
005984 • Gator Fabric 5, Woven, 6.25′ X 300′
005985 • Gator Fabric 5, Woven, 12.5′ X 432′

JOINT STABILIZERS



FLEXLOCK DUST

Flexlock Dust is a unique mixture of polymer binders and calibrated stone available in Sahara Beige or Stone Grey. Once Flexlock Dust sets, it becomes very firm and locks between the stone joints while still retaining flexibility and providing a long lasting, durable jointing material. Flexlock Dust is recommended for a variety of uses including pool decks, patios, footpaths, and any other pedestrian applications.

001831 • Flexlock Dust 50 lb, Sahara Beige
001832 • Flexlock Dust 50 lb, Stone Grey



FLEXLOCK SAND G2-RAPID SET 50 LB

Flexlock Sand G2 is made with a state-of-the-art manufacturing process. Specifically, calibrated sand is mixed with sophisticated intelligent polymers. This new generation of Intelligent Polymers neutralizes haze and dust. No blower is needed and the intelligent polymeric sand requires only one watering; 30 sq.ft. for 30 seconds and offering a Rapid Set technology of rain safe after 15 minutes. Flexlock Sand G2 is recommended for a variety of uses including sloping areas, pool surroundings, patios, walkways, driveways and much more. Available in Sandy Beige and Graphite Grey.

005733 • Flexlock Sand G2-Rapid Set 50 lb, Beige
005734 • Flexlock Sand G2-Rapid Set 50 lb, Grey



FLEXLOCK SAND 50 LB

Flexlock Sand is a unique mixture of polymer binders and calibrated sand available in Sandy Beige or Graphite grey. The installation of Flexlock Sand is almost identical to using regular paver joint sand except for the application of water. Once Flexlock Sandsets, it becomes very firm and locks between the paver joints while still retaining flexibility and providing a long lasting, durable jointing material. Flexlock Sand is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements etc.

001210 • Flexlock Sand 50 lb, Beige
001211 • Flexlock Sand 50 lb, Grey



FLEXLOCK ULTRA SAND

Polymeric sand for paver joints up to 2 inch with drainage and non-drainage applications, in residential and commercial use. Perfect for concrete paver, wetcast products, in sloping areas, pool surroundings, patios, walkways, driveways and more. In drainage applications, it is rain safe 1 hour (overlays 24 hrs) after water activation above 32oF (0oC). Offering a 15 Year Limited Warranty and OSHA cristalline silica compliant / ASTM C-144 gradation with an advanced Haze Free Technology

001212 • Flexlock Ultra Sand 50 lb, Beige
001213 • Flexlock Ultra Sand 50 lb, Grey



FLEXLOCK ULTRA SAND G2-RAPID SET

Flexlock Ultra G2 is made with a state-of-the-art manufacturing process. Specifically, calibrated sand is mixed with sophisticated intelligent polymers. This new generation of Intelligent Polymers neutralizes haze and dust. The polymeric sand application is now dust free and haze free. No blower is needed and the intelligent polymeric sand requires only one watering; 30 sq.ft. for 30 seconds and offering a Rapid Set technology of rain safe after 15 minutes. Flexlock Ultra G2 is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements, etc. Available in Sandy Beige, Graphite Grey, Ivory and Onyx Black.

005735 • Flexlock Ultra Sand G2-Rapid Set 50 lb, Beige
005736 • Flexlock Ultra Sand G2-Rapid Set 50 lb, Grey
005737 • Flexlock Ultra Sand G2-Rapid Set 50 lb, Ivory
005738 • Flexlock Ultra Sand G2-Rapid Set 50 lb, Onyx Black



GATOR AQUA ROCK - PERMEABLE STONE

Permeable paver joints and bedding material, graded ASTM No. 9, calibrated for the majority of permeable pavers for residential and commercial use. It helps collect roof and surface water run-off and reduce the rate of storm water off driveways, parking lots, patios and more.

000194 • Gator Aqua Rock 2,200 lbs, Granite Grey
001833 • Gator Aqua Rock 50 lb, Granite Grey

JOINT STABILIZERS



GATOR NITRO JOINT SAND

Gator Nitro Joint Sand is a ready-to-use mixture of calibrated sand and resins which cure when exposed to air, hardening from top to bottom of the joint *. The product can be installed in wet or dry weather, in joints ranging from a minimum 3/16" (5 mm) to a maximum 2" (50 mm) joint width. The minimum joint depth is 1" (25 mm). *Gator Nitro Joint Sand will harden from top to bottom up to 2 3/8" (60 mm).

006013 • Gator Nitro, Joint Sand, Beige
006014 • Gator Nitro, Joint Sand, Grey
006015 • Gator Nitro, Joint Sand, Black



GATOR POLYMERIC TILE SAND 35 LB

Gator Tile Sand is a unique mixture of polymer binders and calibrated sand, available, that meets ASTM C144 gradation in Beige, Slate Grey, Ivory and Black Diamond. Once Gator Tile Sand sets, it becomes very firm and locks between the tile joints while still retaining flexibility and providing a long lasting, durable jointing material. Gator Tile Sand is recommended for a variety of pedestrian uses including pool decks, patios, footpaths etc. This product is for use exclusively with the Gator Tile System and Gator Base. It is not for use with porcelain tile laid directly on concrete, or directly on an aggregate or sand base or bed.

005142 • Gator Polymeric Tile, Sand, 35 lb, Ivory



EUROSTONE BOND

Eurostone Bond is the first polymeric sand, that meets ASTM C144 gradation, specifically designed for natural stone pavers. It can be used in an application for traditional and overlay base systems. It is perfect for stone roads, piazzas, driveways, pathways & stone apron driveways. This complete multipurpose sand is available in four colors: Beige, Slate Grey, Ivory and Black Diamond. It sets above the freezing temperature 32°F (0°C) and can be used for joints up to a maximum of 1.5″ (3.8 cm).

002443 • Eurostone Bond 50 lb, Slate Grey

SEALERS & ACCESSORIES



GATOR ECO SEAL HIGH GLOSS

Gator Eco Seal is a copolymer acrylic used to seal concrete pavers. It penetrates deep into the concrete paver pores, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

002457 • Gator Eco Seal High Gloss, Water Base 1 GAL
002458 • Gator Eco Seal High Gloss, Water Base 5 GAL



GATOR ECO SEAL LOW GLOSS

Gator Eco Seal is a copolymer acrylic used to seal concrete pavers. It penetrates deep into the concrete paver pores, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

002459 • Gator Eco Seal Low Gloss, Water Base 1 GAL
002460 • Gator Eco Seal Low Gloss, Water Base 5 GAL



GATOR SEAL NATURAL LOOK

Ultra Series Signature Natural Look is made from fluorochemical polymers. This sealer penetrates deep into the concrete pavers, walls, masonry and natural stones, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

002417 • Gator Seal Natural Look, Water Base 1 GAL
002418 • Gator Seal Natural Look, Water Base 5 GAL

SEALERS & ACCESSORIES



GATOR SEAL RESEALER

Gator Seal Resealer is made from acrylic-based polymers. GATOR SEAL RESEALER will penetrate the formula of the existing solvent based sealer and reactivate the molecules to create a rejuvenated seal to protect the concrete paver surface. Thus reducing the penetration of oil and dirt, as well as protecting them from de-icing salt.

002455 • Gator Seal Resealer, Solvent Base 1 GAL
002456 • Gator Seal Resealer, Solvent Base 5 GAL



GATOR SEAL SATIN LOOK FINISH

Gator Satin Look Sealer is made from acrylic-based polymers. Gator Satin LookSealer penetrates deep into the concrete pavers, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt. Specifically formulated to be used on unsealed surfaces only.

002413 • Gator Seal Satin Look Finish, Solvent Base 1 GAL
002414 • Gator Seal Satin Look Finish, Solvent Base 5 GAL



GATOR SEAL WET LOOK FINISH

Gator WETLOOK Sealer is made from acrylic-based polymers. Gator WET LOOK Sealer penetrates deep into the concrete pavers, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt. Specifically formulated to be used on unsealed surfaces only.

002415 • Gator Seal Wet Look Finish, Solvent Base 1 GAL
002416 • Gator Seal Wet Look Finish, Solvent Base 5 GAL



GATOR SEALER NATURAL STONE ZERO GLOSS+ENHANCER

Gator Sealer Natural Stone Zero Gloss+Enhancer is a color enhancer and is made of silicone-based polymers. This sealer penetrates deep into the natural stones thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

004134 • Gator Sealer Natural Stone Zero Gloss+Enhancer 1 GAL
004135 • Gator Sealer Natural Stone Zero Gloss+Enhancer 5 GAL



GATOR HYBRID SEAL HIGH GLOSS WITH COLOR ENHANCER

Gator Hybrid Seal High Gloss with Color Enhancer is 100% pure high-grade acrylic used to seal and enhance the concrete pavers color. It penetrates deep into the concrete paver pores, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

004136 • Gator Hybrid Sealer High Gloss+Enhancer 1 GAL
004137 • Gator Hybrid Sealer High Gloss+Enhancer 5 GAL



GATOR HYBRID SEAL LOW GLOSS WITH COLOR ENHANCER

Gator Hybrid Seal Low Gloss with Color Enhancer is 100% pure high-grade acrylic used to seal and enhance the concrete pavers colors . It penetrates deep into the concrete paver pores, thus reducing the oil and dirt penetration, as well as protecting them from the corrosion of de-icing salt.

004140 • Gator Hybrid Sealer Low Gloss+Enhancer 1 GAL
004149 • Gator Hybrid Sealer Low Gloss+Enhancer 5 GAL

NOTES

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