

TECHO—BLOC

INSPIRING ARTSCAPES



TECHOSPEC

HARDSCAPER'S HANDBOOK
VOLUME 20 / CANADA



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 Stonedge collection products, unless otherwise stated.

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

1. Use of rock salt and transferability of warranty on Stonedge collection products («wet cast products») unless otherwise stated.
2. Splitting, chipping or other breakage caused by impact, abrasion or overloading.
3. Damage or loss caused by the movement or settling of the underlying structure or base components upon which the products are set.
4. 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.
5. Damage or loss caused by natural disaster, including but not limited to, earthquakes, floods or other similar events.
6. Acts of negligence or misuse by the owner, installer or any third party.
7. Color matching to printed representations.
8. Efflorescence, polymeric haze or construction-born residue. (See the important information section for terminologies)
9. Damage or loss caused by the operation of compaction or snow removal equipment.
10. 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.

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. Sealers 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 sealers, see your local hardscape dealer/distributor, contact your contractor, contact us or search online.

It is contrary to Techo-Bloc's SOP (Standard Operating Procedures) 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 snow 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 colour matching to printed representations of its colour 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, colours samples shown are approximate representations of our standard colours and actual product colours 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 natural 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.

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RESOURCES GUIDE

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LEGEND



TECHO-BLOC
COLLECTION PRODUCTS



DE-ICING SALT RESISTANT



USE VIBRATING PLATE



PERMEABLE PAVERS



STONEDGE
COLLECTION PRODUCTS



DO NOT USE DE-ICING SALT



DO NOT USE VIBRATING PLATE



HIGH DEFINITION & DENSITY



HIGH DEFINITION & DENSITY +



ROAD TRAFFIC



LIGHT TRAFFIC



PEDESTRIAN



MECHANICAL INSTALLATION

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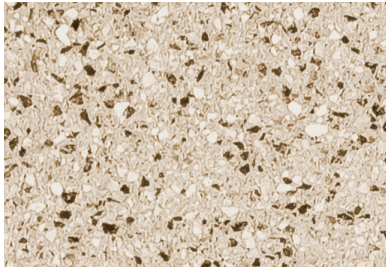
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DESIGN CORNER

COLORS, TEXTURES & INSPIRATION



TEXTURES



POLISHED

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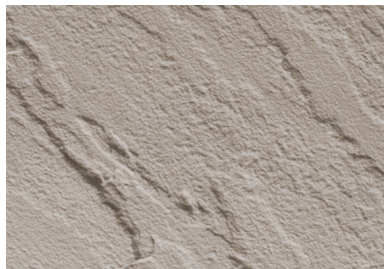
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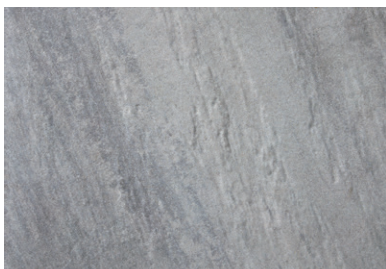
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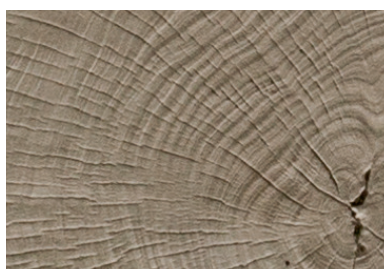
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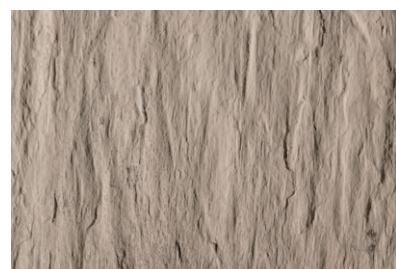
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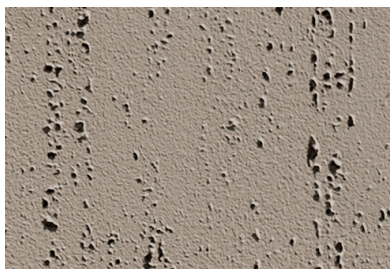
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BASALT

Squadra (p. 84)

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COLORS

AZZURRO	Mix of light blue & grey tones
BAJA BEIGE	Mix of light tan and brown highlights
BEIGE CREAM	Cream base with warm beige midtones
BURGUNDY	Solid color
CARBON	Solid color. Dark grey, closest to black
CHAMPLAIN GREY	Mix of grey, charcoal and tan
CHESTNUT BROWN	Mix of chocolate brown and light cream to light grey
CHOCOLATE BROWN	Dark brown tones
GREY	Grey
GREYED NICKEL	Light grey with warm undertones
HAZELNUT BRANDY	Light brown base veined with darker tones
IVORY TONES	Mix of yellow and cream tones
MERLOT	Red base with black & brown midtones & lowlights
MOJAVE BEIGE	Mix of tan with brown midtones & lowlights
ONYX BLACK	Dark black tones
RED & BLACK	Mix of red and charcoal
RIVIERA	Mix of dark grey, charcoal, brown, light green and rust tones
ROCK GARDEN BROWN	Mix of mid & light brown tones
SANDLEWOOD	Mix of tan and charcoal
SAUVIGNON OAK TONES	Sand-colored base tones with tan highlights
SHALE GREY	Mix of grey and charcoal
SMOKED PINE TONES	Rich dark brown base veined with darker tones
VICTORIA TONES	Mix of light grey, charcoal, brown and rust tones



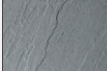

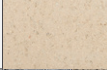

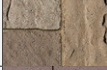

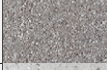


SOLAR REFLECTANCE INDEX












Solar Reflectance Index (SRI) is a composite measure that combines surface's solar reflectance and emittance. Essentially, 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 the sunlight. High SRI surfaces can help reduce the urban heat island that causes cities to stay warmer which contributes to increase energy consumption for air conditioning systems and air pollution.

Summary of LEED® criterion for credits on heat island reduction applicable to paving products for non-roof and parking cover applications (minimum values):

			INITIAL	3-YEAR AGED
NON-ROOF APPLICATIONS	LEED 2009	Solar Reflectance Index (SRI)	29	-
	LEED v4	Solar reflectance	0.33	0.28
PARKING COVER APPLICATIONS	LEED 2009	Solar Reflectance Index (SRI)	29	-
	LEED v4	Solar Reflectance Index (SRI)	39	32

Solar reflectance and SRI values for Techo-Bloc landscaping products, as tested by independent testing laboratory:

COLOR	SWATCH	SOLAR REFLECTANCE	SOLAR REFLECTANCE INDEX (SRI)
Azzurro		0.15	12
Baja Beige		0.38	42
Beige Cream		0.30	32
Champlain Grey		0.23	25
Chestnut Brown		0.23	25
Chocolate Brown		See note below	
Grey		0.30	34
Greyed Nickel		0.32	35
Hazelnut Brandy		0.23	23

COLOR	SWATCH	SOLAR REFLECTANCE	SOLAR REFLECTANCE INDEX (SRI)
Ivory		0.46	53
Mojave Beige		0.26	29
Onyx Black		See note below	
Red & Black		See note below	
Riviera		0.20	19
Rock Garden Brown		0.21	20
Sandlewood		0.21	23
Sauvignon Oak		0.35	38
Shale Grey		0.24	26
Smoked Pine		0.12	9
Victoria		0.36	40

Note: Since the overall objective of the SRI is to encourage light colored surfaces, these colors were not tested either because of their darkness or they were not applicable to paving products.

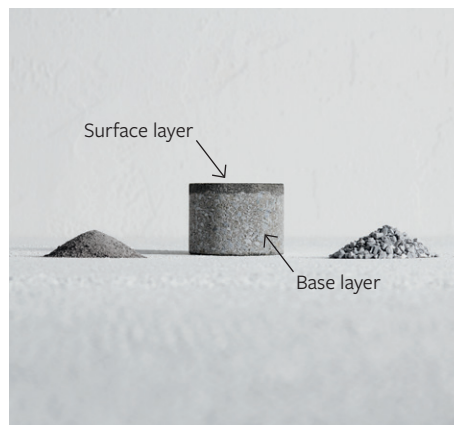
HD² HD²+ TECHNOLOGY

HD² (High Definition & Density) technology is a face-mix manufacturing process fusing two engineered layers that delivers a paving stone with enhanced finish, enriched color and greater strength. The surface layer is composed of fine wear-resistant, durable aggregates and concentrated color that delivers smoother textures and richer color. The base layer uses a mix with coarser aggregates that gives the paving stone its strength.

This manufacturing process from Techo-Bloc creates the optimal paving stone.

And now..., HD²+! Taking our already cutting-edge technology to the next level. HD²+ has the added benefit of a factory seal for added stain resistance, elevated color boost and a reduced absorption rate.

*The factory seal on HD²+ products has a lifetime of up to 3 years, depending on product usage.



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

Slabs	Red & Black	Merlot	Chocolate Brown	Chestnut Brown	Mojave Beige	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Charcoal	Onyx Black	Burgundy	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Baja Beige	Sauvignon Oak	Ivory	Victoria	Riviera	Azzurro	Carbon
Aberdeen HD ²				x		x	x				x					x		x					x	
Blu 45 mm Overlay System - Slate				x			x	x	x		x		x											
Blu 45 mm Overlay System - Smooth				x			x	x	x		x		x											
Blu 60 mm - Slate ⓘ				x	x		x				x													
Blu Grande - Slate				x	x		x				x													
Blu 60 mm (6 x 13) - Slate ⓘ			x	x	x		x				x		x											
Blu 60 mm Smooth ⓘ				x			x	x	x		x		x											
Blu 60 mm HD ² Smooth ⓘ				x			x				x		x											
Blu 60 mm (6 x 13) - Smooth ⓘ			x	x			x	x	x		x		x											
Blu 60 mm (6 x 13) - HD ² Smooth ⓘ				x			x				x		x											
Blu Grande - Smooth				x			x	x	x		x		x											
Blu Grande HD ² Smooth				x			x		x		x													
Blu 60 mm & Grande - Polished				x				x	x		x		x											
Borealis HD ²															x		x		x			x		
Borealis Stepping Stones																	x							
Dunes HD ²			x													x						x		
Everest HD ² + NEW		x		x					x		x													
Flagstone				x		x	x																	
Hexa 60 mm HD ² + NEW				x				x	x		x		x											
Inca HD ²																		x			x	x		
Industria HD ² - 600 Series				x				x	x		x		x											
Maya																		x			x	x		
Ocean Grande HD ²								x	x															
Pacific Cap and Overlay System NEW				x			x				x													
Para HD ²																								
Travertina Raw HD ²								x	x				x			x				x		x		

Pavers

	Red & Black	Merlot	Chocolate Brown	Chestnut Brown	Mojave Beige	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Charcoal	Onyx Black	Burgundy	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Baja Beige	Sauvignon Oak	Ivory	Victoria	Riviera	Azzurro	Carbon
Allegro			x	x		x	x				x													
Antika ⓘ			x	x		x					x		x											
Aquastorm ⓘ										x														
Blu 80 mm - Slate ⓘ				x	x		x				x													
Blu 80 mm (6 × 13) - Slate ⓘ			x	x			x				x		x											
Blu 80 mm - Smooth ⓘ				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				x				x	x		x	x	x											
Eva				x	x	x	x				x													
Hexa 100 mm HD²+ NEW				x				x	x		x		x											
Hydra ⓘ NEW				x						x	x													
Industria Collection HD² NEW				x				x	x		x		x											
Linea			x	x		x	x				x		x											
Mika HD² ⓘ														x		x								x
Mista Random ⓘ				x		x	x				x													
Mista Grande ⓘ			x	x			x				x		x											
Parisien - Square				x		x	x				x		x											
Parisien - Rectangle			x	x		x	x				x		x											
Pure ⓘ				x		x	x				x													
Sleek HD²				x			x	x	x		x		x											
Squadra		x		x							x		x											
Travertina Raw HD² ⓘ																x				x		x		
Valet ⓘ				x		x	x				x		x											
Victorien 60 mm	x		x			x				x	x		x											
Victorien 60 mm permeable ⓘ				x							x													
Villagio ⓘ		x	x	x		x	x				x		x											
Westmount HD²+ NEW		x	x								x		x											

Edges

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

Walls & Pillars

	Red & Black	Merlot	Chocolate Brown	Chestnut Brown	Mojave Beige	Sandlewood	Champlain Grey	Beige Cream	Greyed Nickel	Grey	Shale Grey	Charcoal	Onyx Black	Burgundy	Smoked Pine	Rock Garden Brown	Hazelnut Brandy	Baja Beige	Sauvignon Oak	Ivory	Victoria	Riviera	Azzurro	Carbon
Borealis															X		X		X					
Brandon				X		X	X				X		X											
Escala				X		X	X				X													
Fascia Wall Collection NEW			X													X						X	X	
G-Force				X		X	X				X											X	X	
Graphix								X	X				X											
Manchester			X	X		X	X				X		X											
Mini-Creta Wall			X	X		X	X				X	X												
Mini-Creta Architectural Wall			X	X		X	X				X	X												
Mini-Creta Pillars				X		X	X				X													
Mini-Creta Architectural Pillars				X		X	X				X													
Prescott Collection									X	X			X			X					X	X		
Raffinato Collection													X											
Röcka			X													X		X				X		
Semma				X		X	X				X											X		
Skyscraper				X							X													
Suprema						X	X				X													
Travertina Raw																X				X		X		

Steps, caps and overlay system

Architectural Cap			X	X	X	X	X				X		X											
Bali Travertina Cap											X		X			X				X		X		
Brandon Cap				X		X	X				X		X											
Bullnose Cap			X	X		X	X				X		X											
Bullnose Grande Cap								X	X															
Graphix Cap								X	X				X											
Piedimonte Cap													X			X						X		
Portofino Cap			X										X			X		X				X	X	
Prima 14" Split Face				X		X	X				X													
Prima 14" Polished				X				X	X		X		X											
Raffinato Cap Collection				X		X	X	X	X		X		X											
Travertina Raw																X				X		X		
York Collection			X										X			X				X		X		
Borealis Step															X		X		X					
Maya Step			X													X		X				X		
Raffinato Step								X	X				X											
Röcka Step			X													X		X				X		
York Step			X													X		X				X		
Venetian Overlay System - Slate				X	M	X	X				X													
Venetian Overlay System - Smooth				X		X	X				X													

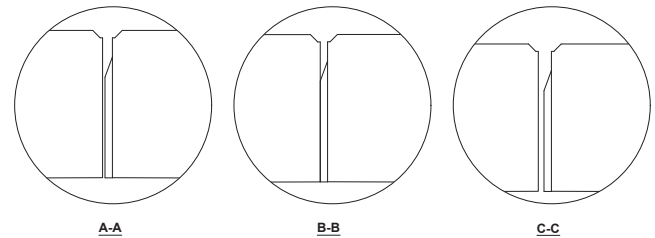
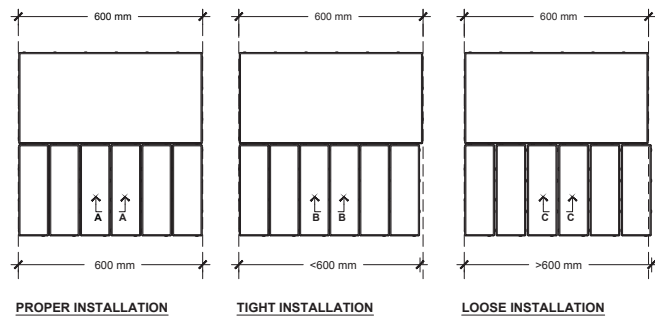
Outdoor Features

Manchester Foyer				X							X													
Brandon Firepit				X							X													
Prescott Firepit																X						X		
Raffinato Firepit								X	X															
Valencia Firepit				X	X	X	X				X													
Manchester Rustic, Pizza Oven				X							X													
Raffinato, Pizza Oven								X	X											X	X			

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 600x100mm 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.



PAVING UNITS – JOINT WIDTH

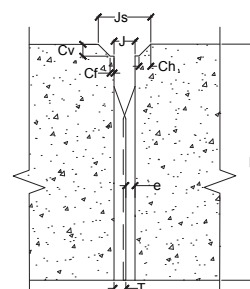
The space between the paving units (excluding the spacer), i.e. the joint width (J), will depend on the thickness of the spacer (T) and the free space (e) between the spacer and the edge side (or spacer) of the adjacent paving unit. To these dimensions are added the dimensions of the chamfer (Ch) and 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).

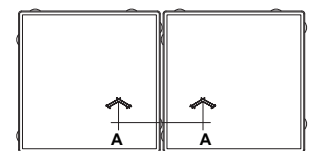
PAVER	HEIGHT		NOMINAL JOINT WIDTH (J)		JOINT WIDTH ON THE SURFACE (JS)		CHAMFER			SPACER	
	H		J1	J2	Js1	Js2	FLAT SHOE Cf	VERTICAL Cv	HORIZONTAL Ch	THICKNESS T	FREE SPACE e
Aquastorm	100 mm	3 15/16 in.	41.0 mm	-	49.0 mm	-	1.0 mm	3.0 mm	3.0 mm	20.0 mm	1.0 mm
Blu 80 (6x13)	80 mm	3 1/8 in.	7.0 mm	-	15.0 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 5/16 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 PAVES'S SPACER AND ADJACENT PAVES



Typical Paver Joint



SLABS

PATIOS, WALKWAYS, POOLSIDES & STEPPING STONES



PHYSICAL AND GEOMETRICAL CHARACTERISTICS




CHARACTERISTICS	CSA A231.1:19
Flexural strength	5.0 MPa min.
De-icing salt freeze-thaw durability	Mass loss (max.): 225 g/m ² after 28 cycles, or 500 g/m ² after 49 cycles
Dimensional tolerances (see Notes below): length, width and thickness	Length and Width: -1.0 mm to +2.0 mm Thickness: ± 3.0 mm
Dimensional tolerances (see Notes below): warpage (Up to and including 450 mm)	± 2.0 mm
Dimensional tolerances (see Notes below): warpage (Over 450 mm)	± 3.0 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, Dunes, Inca, Maya and Travertina Raw.

INSTALLATION GUIDE

TYPICAL APPLICATION USAGE

SECTOR	TRAFFIC TYPE & APPLICATIONS	SLABS
RESIDENTIAL	1. Light traffic  <p>Cars and occasional light service trucks (ex. residential driveways)</p>	<ul style="list-style-type: none"> - Blu 60 mm (6 x 13) - Everest (250x250)
	2. Pedestrian  <p>Pedestrian only and at all times (ex. patios)</p>	<ul style="list-style-type: none"> - Aberdeen - Blu 60 mm - Blu Grande - Borealis - Borealis Stepping Stone - Dunes - Everest (250x250) - Everest (250x500) - Everest (500x500) - Flagstone - Hexa 60 mm - Inca - Industria Slab (60 mm) - Maya - Ocean Grande - Para - Travertina Raw - All products from traffic type 1
ICI (Industrial, Commercial and Institutional)	3. Pedestrian  <p>Pedestrian only and at all times, without cars, or trucks or other mobile equipment (ex. terraces, parks, pedestrian walkways)</p>	<p>Adjustable pedestal applications:</p> <ul style="list-style-type: none"> - Blu Grande - Industria Slab (60 mm) - Para 500x750 - Raffinato 14"x28" (60 mm) (see Caps section)

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 $\frac{3}{16}$ " 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- $\frac{3}{4}$ " [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- $\frac{3}{4}$ " (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 $\pm \frac{3}{8}$ " (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 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 FOUNDATION¹

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

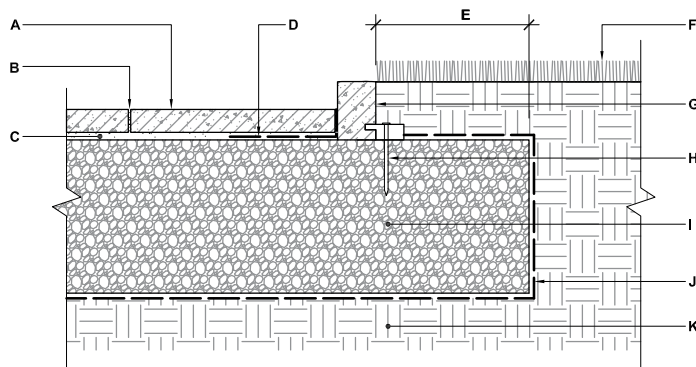
1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected 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

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

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		
Dunes		277.0	26.00
Everest	250×250	179	16.63
	250×500	223	20.00
	500×500	336	31.00

SLABS	size	sq. ft	sq. m
Flagstone		49.5	4.6
Hexa 60 mm		101.2	9.40
Inca		108.3	10.06
Industria 600 series	600×600×60	204.13	18.96
Maya	Variable		
Ocean Grande		129.7	12.1
Pacific see Overlay section		246.0	22.90
Para	500×250	223	20
	500×500	336	31
	500×750	405	37
Travertina Raw	30×30	483	44.87
	30×20	388	36.05
	20×20	324	30.07
	20×10	216	20.08



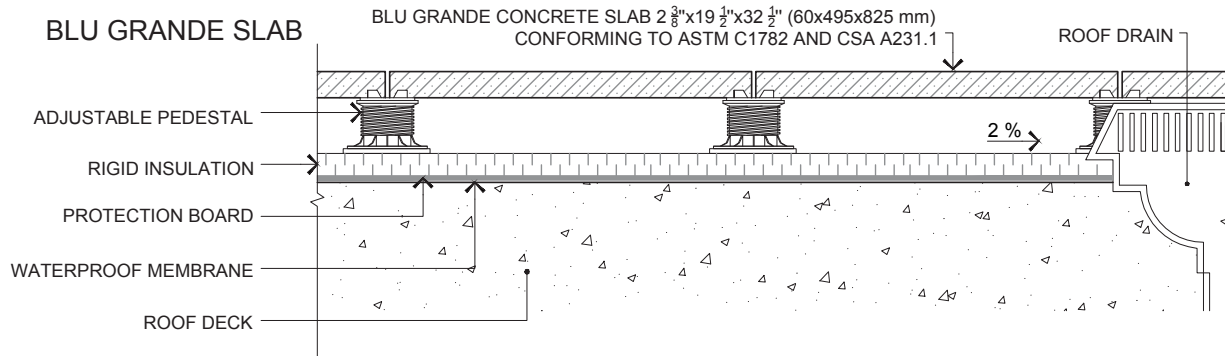
SLAB INSTALLATION

Typical cross section

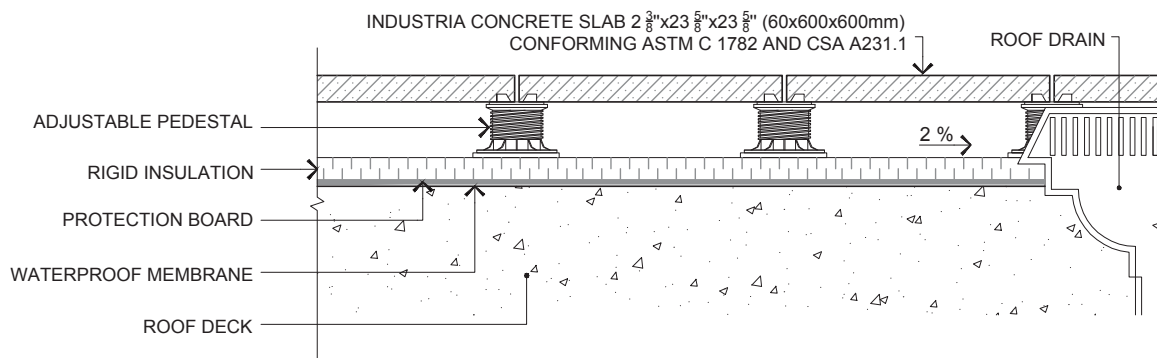
- A.** TECO-BLOC PRECAST CONCRETE SLAB 1 3/4" TO 2 3/8" (45 TO 60 mm)
- B.** SAND JOINT FILL
- C.** SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D.** GEOTEXTILE 12" (300 mm) WIDE
- E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- F.** LAWN
- G.** EDGE RESTRAINT
- H.** NAIL
- I.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- J.** GEOTEXTILE
- K.** SUBGRADE

INSTALLATION GUIDE

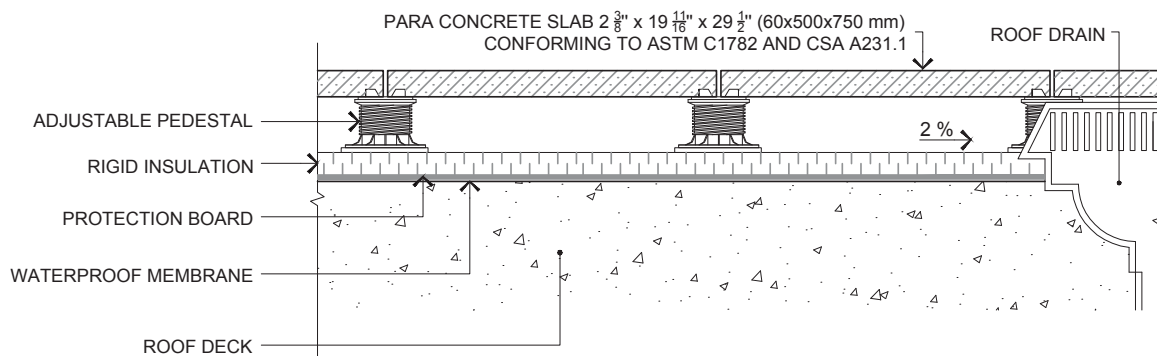
SLABS ON PEDESTAL SET



INDUSTRIA SLAB



PARA SLAB 500x750

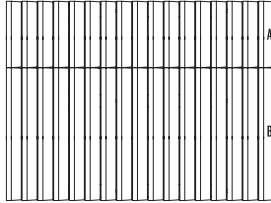




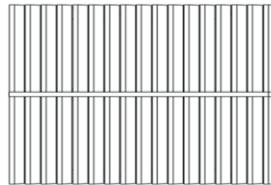
ABERDEEN

DESCRIPTION: Slab **TEXTURE:** HD² Slate

PALLET OVERVIEW - 20"×10" AND 20"×20"



PALLET OVERVIEW - 30"×10"



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 17 to 20 for more technical information.

Specifications per pallet		Imperial	Metric
20"×10" - 20"×20"	Cubing	70.83 ft²	6.58 m ²
	Approx. Weight	1 789 lbs	811 kg
	Number of rows	1	
	Coverage per unit	A 1.39 ft ²	0.13 m ²
		B 2.78 ft ²	0.26 m ²
Linear coverage per row		42.5 lin. ft	12.95 lin. m

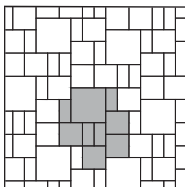
Unit dimensions		in	mm	Units/pallet
A	Height	2 ¼	57	17 units
	Width	20	508	
	Length	10	254	
B	Height	2 ¼	57	17 units
	Width	20	508	
	Length	20	508	

Specifications per pallet		Imperial	Metric
30"×10"	Cubing	70.83 ft²	6.58 m ²
	Approx. Weight	1 793 lbs	813 kg
	Number of rows	1	
	Coverage per unit	2.08 ft ²	0.19 m ²
	Linear coverage per row	Depth 85 lin. ft	25.91 lin. m
		Length 28.33 lin. ft	8.64 lin. m

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

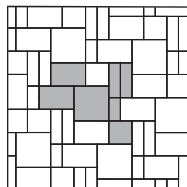
01 | Modular pattern

70% - 20"×20" & 20"×10" | 30% - 30"×30"



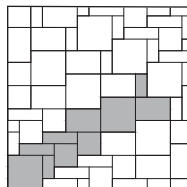
02 | Modular pattern

36% - 30"×20" | 28% - 30"×30" | 18% - 30"×10" | 18% - 20"×20" & 20"×10"



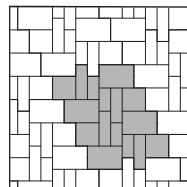
03 | Modular pattern

38% - 30"×30" | 25% - 30"×20" | 25% - 20"×20" & 20"×10" | 12% - 30"×10" | 20% - 30"×10"



04 | Modular pattern

40% - 30"×20" | 40% - 20"×20" & 20"×10" | 20% - 30"×10"



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

Rock Garden Brown

Baja Beige

Azzurro

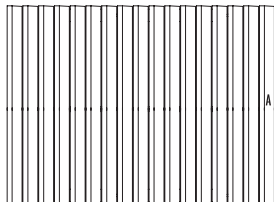




ABERDEEN

DESCRIPTION: Slab **TEXTURE:** HD² Slate

PALLET OVERVIEW - 30"x20" AND 30"x30"



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 17 to 20 for more technical information.

Specifications per pallet		Imperial	Metric
30"x20"	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	42.5 lin. ft	12.95 lin. m
		Depth	
		Length	
		28.3 lin. ft	8.63 lin. m

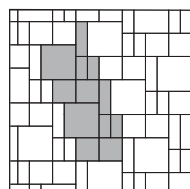
	Unit dimensions		in	mm	Units/pallet
	Height		2 ¼	57	17 units
	Width		30	762	
	Length		20	508	

Specifications per pallet		Imperial	Metric
30"x30"	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	

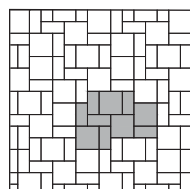
05 | Modular pattern

50% - 20"x20" & 20"x10" | 38% - 30"x30" | 100% - 20"x20" & 20"x10"
12% - 30"x10"



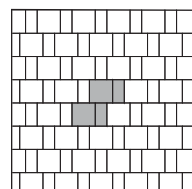
06 | Modular pattern

100% - 20"x20" & 20"x10"



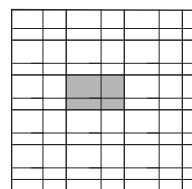
07 | Linear pattern

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

Baja Beige

Azzurro

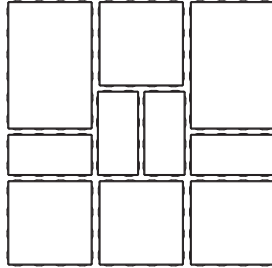




BLU 60 mm

DESCRIPTION: Slab **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

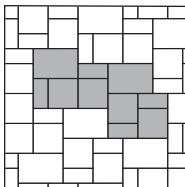
See page 17 to 20 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

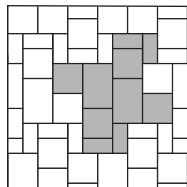
Specifications per pallet	Imperial	Metric
Cubing	116.82 ft²	10.96 m ²
Approx. Weight slate	3 148 lbs	1 428 kg
Approx. Weight slate aged	3 170 lbs	1 438 kg
Approx. Weight HD ² Slate	3 268 lbs	1 482 kg
Number of rows	11	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.81 lin. ft	3.02 lin. m

	Unit dimensions	in	mm	Units/pallet
 A	Height	2 3/8	60	44 units
	Width	13	330	
	Length	6 1/2	165	
 B	Height	2 3/8	60	44 units
	Width	13	330	
	Length	13	330	
 C	Height	2 3/8	60	22 units
	Width	13	330	
	Length	19 1/2	495	

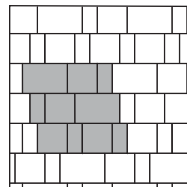
01 | Modular pattern



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
Slate



Mojave Beige
Slate



Sandlewood
Slate



Champlain Grey
Slate



Shale Grey
Slate

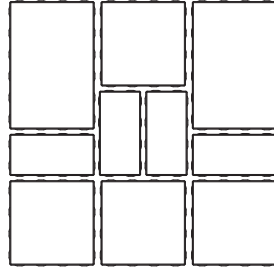




BLU 60 mm

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

PALLET OVERVIEW




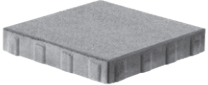




NOTES

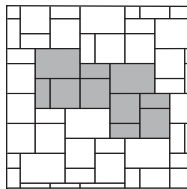
See page 17 to 20 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATOIN RATE: 570 in./hr
 (14 475 mm/hr)

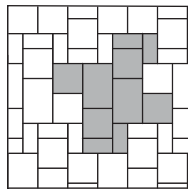
Specifications per pallet	Imperial	Metric
Cubing	116.82 ft²	10.96 m²
Approx. Weight Smooth	3 170 lbs	1 438 kg
Approx. Weight HD² Smooth	3 295 lbs	1 495 kg
Number of rows	11	
Coverage per row	10.62 ft²	0.99 m²
Linear coverage per row	9.81 lin. ft	3.02 lin. m

	Unit dimensions	in	mm	Units/pallet
	Height	2 3/8	60	44 units
	Width	13	330	
	Length	6 1/2	165	
	Height	2 3/8	60	44 units
	Width	13	330	
	Length	13	330	
	Height	2 3/8	60	22 units
	Width	13	330	
	Length	19 1/2	495	

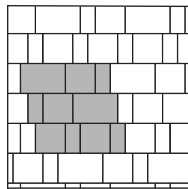
01 | Modular pattern



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

HD² Smooth
Smooth



Champlain Grey

HD² Smooth
Smooth



Beige Cream

Smooth



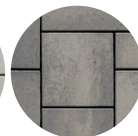
Greyed Nickel

HD² Smooth
Smooth



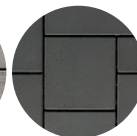
Shale Grey

HD² Smooth
Smooth



Onyx Black

HD² Smooth
Smooth

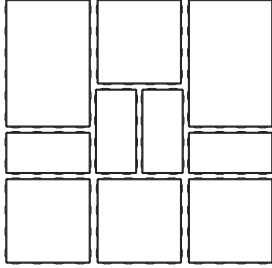




BLU 60 mm

DESCRIPTION: Slab **TEXTURE:** Polished

PALLET OVERVIEW



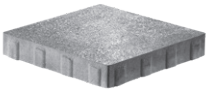



NOTES

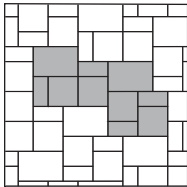
See page 17 to 20 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATOIN RATE: 570 in./hr
 (14 475 mm/hr)

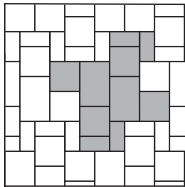
Specifications per pallet	Imperial	Metric
Cubing	116.82 ft²	10.96 m ²
Approx. Weight	3 125 lbs	1 417 kg
Number of rows	11	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.81 lin. ft	3.02 lin. m

	Unit dimensions	in	mm	Units/pallet
 A	Height	2 5/16	58	44 units
	Width	13	330	
	Length	6 1/2	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 1/2	495	

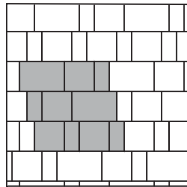
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



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

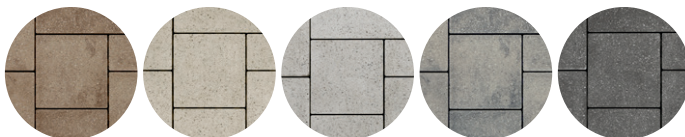
Chestnut Brown

Beige Cream

Greyed Nickel

Shale Grey

Onyx Black

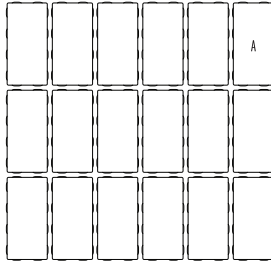




BLU 60 mm (6"×13")

DESCRIPTION: Slab **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

See page 17 to 20 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

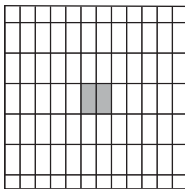
JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 4.6 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		116.05 ft²	10.78 m ²
Approx. Weight Slate		3 138 lbs	1 423 kg
Approx. Weight HD ² Slate		3 183 lbs	1 444 kg
Number of rows		11	
Coverage per row		10.55 ft ²	0.98 m ²
Linear coverage per row	Depth	19.5 lin. ft	5.94 lin. m
	Length	9.75 lin. ft	2.97 lin. m

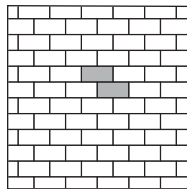


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	198 units
Width	13	330	
Length	6 1/2	165	

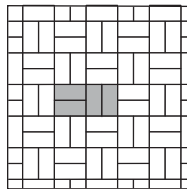
08 | Linear pattern



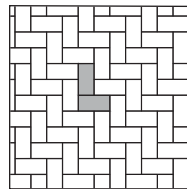
09 | Linear pattern



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



Mojave Beige



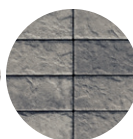
Sandlewood



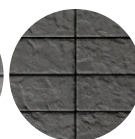
Champlain Grey



Shale Grey



Onyx Black

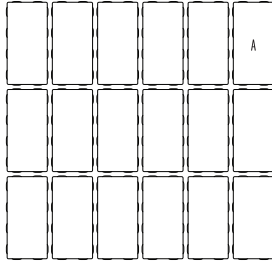




BLU 60 mm (6"×13")

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

PALLET OVERVIEW



NOTES

See page 17 to 20 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

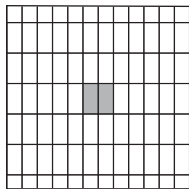
JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 4.6 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		116.05 ft²	10.78 m ²
Approx. Weight Smooth		3 138 lbs	1 423 kg
Approx. Weight HD ² Smooth		3 147 lbs	1 427 kg
Number of rows		11	
Coverage per row		10.55 ft ²	0.98 m ²
Linear coverage per row	Depth	19.5 lin. ft	5.94 lin. m
	Length	9.75 lin. ft	2.97 lin. m

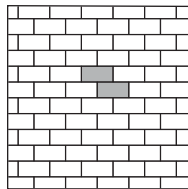


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	198 units
Width	13	330	
Length	6 1/2	165	

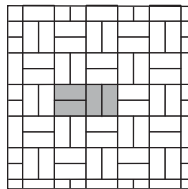
08 | Linear pattern



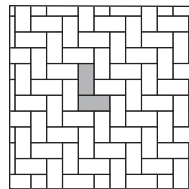
09 | Linear pattern



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



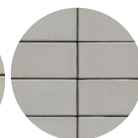
Beige Cream

Smooth



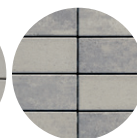
Greyed Nickel

HD² Smooth
Smooth



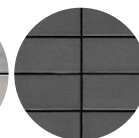
Shale Grey

HD² Smooth
Smooth



Onyx Black

HD² Smooth
Smooth

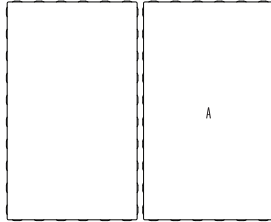




BLU GRANDE

DESCRIPTION: Slab **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

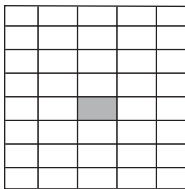
See page 17 to 21 for more technical information

Specifications per pallet		Imperial	Metric
Cubing		96.71 ft²	8.98 m²
Approx. Weight Slate		2 675 lbs	1 213 kg
Approx. Weight HD² Slate		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

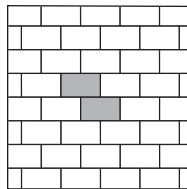


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	22 units
Width	19 1/2	495	
Length	32 1/2	825	

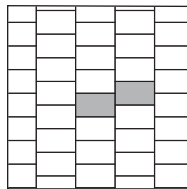
04 | Linear pattern



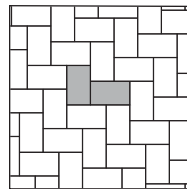
05 | Linear pattern



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

Slate



Mojave Beige

Slate



Sandlewood

Slate



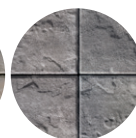
Champlain Grey

Slate



Shale Grey

Slate

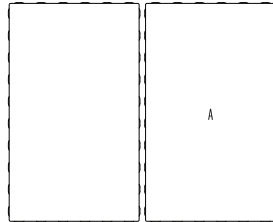




BLU GRANDE

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



PALLET OVERVIEW



NOTES

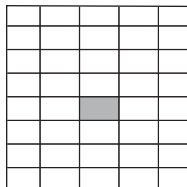
See page 17 to 21 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing		96.71 ft²	8.98 m ²
Approx. Weight Smooth		2 675 lbs	1 213 kg
Approx. Weight HD ² Smooth		2 744 lbs	1 244 kg
Number of rows		11	
Coverage per row		8.79 ft ²	0.82 m ²
Linear coverage per row	Depth	3.25 lin. ft	0.99 lin. m
	Length	5.41 lin. ft	1.65 lin. m

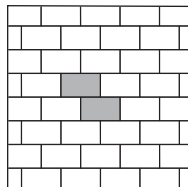
Unit dimensions		in	mm	Units/pallet
 	Height	2 3/8	60	22 units
	Width	19 1/2	495	
	Length	32 1/2	825	



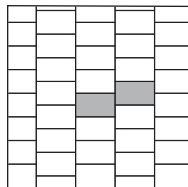
04 | Linear pattern



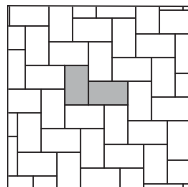
05 | Linear pattern



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



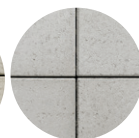
Beige Cream

Smooth



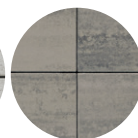
Greyed Nickel

HD² Smooth
Smooth



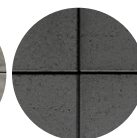
Shale Grey

HD² Smooth
Smooth



Onyx Black

Smooth

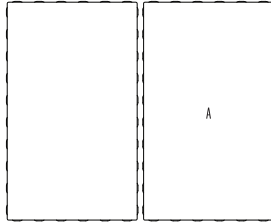




BLU GRANDE

DESCRIPTION: Slab **TEXTURE:** Polished

PALLET OVERVIEW



NOTES

See page 17 to 21 for more technical information.

Polished

Specifications per pallet		Imperial	Metric
Cubing		96.71 ft²	8.98 m ²
Approx. Weight		2525 lbs	1 145 kg
Number of rows		11	
Coverage per row		8.79 ft ²	0.82 m ²
Linear coverage per row	Depth	3.25 lin ft	0.99 lin m
	Length	5.41 lin ft	1.65 lin m

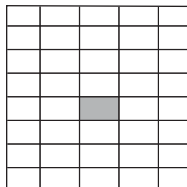


A

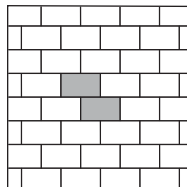
Unit dimensions	in	mm	Units/pallet
Height	2 5/16	58	22 units
Width	19 1/2	495	
Length	32 1/2	825	



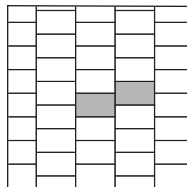
04 | Linear pattern



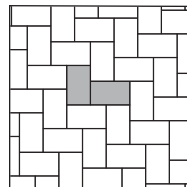
05 | Linear pattern



06 | Linear pattern



07 | Herringbone pattern



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

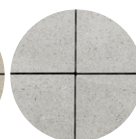
Chestnut Brown



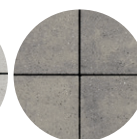
Beige Cream



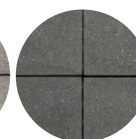
Greyed Nickel



Shale Grey



Onyx Black

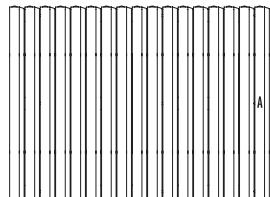




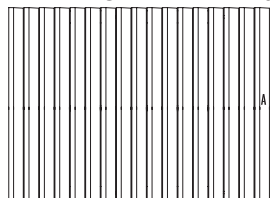
BOREALIS

DESCRIPTION : Slab TEXTURE : HD² Wood

PALLET OVERVIEW - 5x30



PALLET OVERVIEW - 10x30



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 17.

See page 17 to 20 for more technical information.

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

Smoked Pine

Hazelnut Brandy

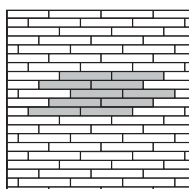
Sauvignon Oak

Riviera



01 | Linear pattern

100% - 5x30



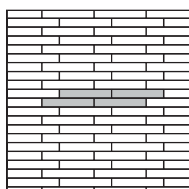
02 | Linear pattern

100% - 5x30



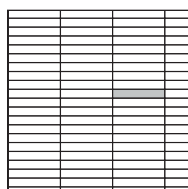
03 | Linear pattern

100% - 5x30



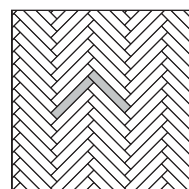
04 | Linear pattern

100% - 5x30



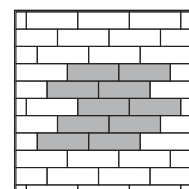
05 | Herringbone pattern

100% - 5x30

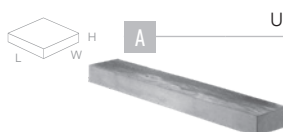


06 | Linear pattern

100% - 10x30

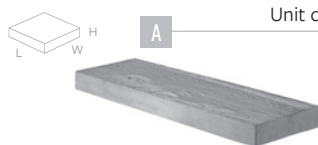


Specifications per pallet		Imperial	Metric
5" x 30"	Cubing	68 units	68 units
		70.83 ft ²	6.58 m ²
	Units	1.04 ft ²	0.10 m ²
	Approx. Weight	1 784 lbs	809 kg
	Number of rows	4	
	Coverage per row	17.71 ft ²	1.65 m ²
Linear coverage per row	Depth	7.08 lin. ft	2.16 lin. m
	Length	42.5 lin. ft	12.96 lin. 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" x 30"	Cubing	34 units	34 units
		70.83 ft ²	6.58 m ²
	Approx. Weight	1 881 lbs	853 kg
	Units	2.08 ft ²	0.19 m ²
	Number of rows	2	
	Coverage per row	35.42 ft ²	3.29 m ²
Linear coverage per row	Depth	42.5 lin. ft	12.95 lin. m
	Length	14.2 lin. ft	4.33 lin. m



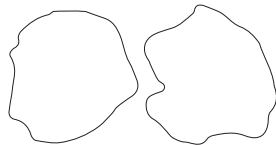
Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	34 units
Width	10	254	
Length	30	762	



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 17.

See page 17 to 20 for more technical information.

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

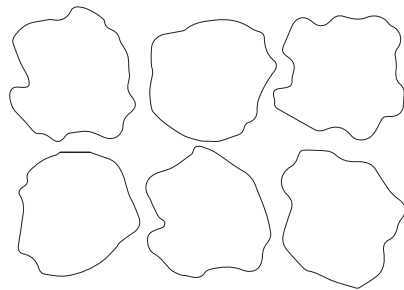
16 units

Width 24

610

Length 24

610



6 different shapes available

Hazelnut Brandy

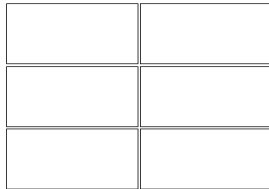




DUNES

DESCRIPTION: Slab **TEXTURE:** HD² Sand Dunes

PALLET OVERVIEW



NOTES

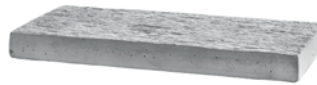
In order to obtain a more realistic appearance to natural stone, wet cast (Stoned edge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 17.

See page 17 to 20 for more technical information.

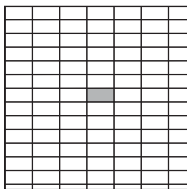
Specifications per pallet		Imperial	Metric
Cubing		92.04 ft²	8.55 m ²
Approx. Weight		2 306 lbs	1 046 kg
Number of rows		8	
Coverage per unit		1.92 ft ²	0.18 m ²
Coverage per row		11.51 ft ²	1.07 m ²
Linear coverage per row	Depth	5.88 lin. ft	1.79 lin. m
	Length	11.75 lin. ft	3.58 lin. m



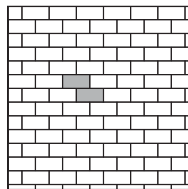
Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	48 units
Width	11 ¾	298	
Length	23 ½	597	



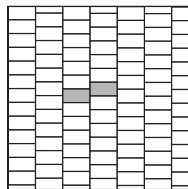
01 | Linear pattern



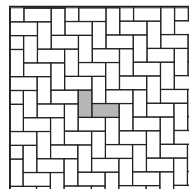
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern



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

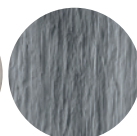
Chocolate Brown



Rock Garden Brown



Riviera

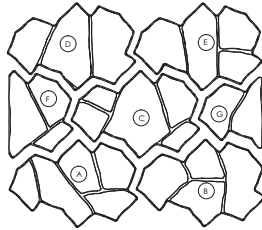




FLAGSTONE

DESCRIPTION: Slab **TEXTURE:** Slate

PALLET OVERVIEW



The Flagstone paving stone can easily adorn the interior of a circle.

NOTES

When the half units are placed together they form a regular size unit.

See page 17 to 20 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	90.55 ft²	8.41 m ²
Approx. Weight	2 467 lbs	1 119 kg
Number of rows	11	
Coverage per row	8.23 ft ²	0.76 m ²



A - E

Unit dimensions

in

mm

Units/pallet

Height

2 3/8

60

55

Width

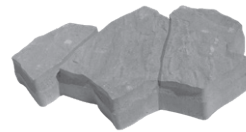
14 5/8

371

Length

21 3/8

543



F

Height

2 3/8

60

11

Width

14 5/8

371

Length

10 11/16

272



G

Height

2 3/8

60

11

Width

11 15/16

303

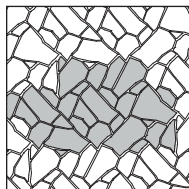
Length

10 11/16

272



01 | Random pattern



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

Chestnut Brown

Sandlewood

Champlain Grey





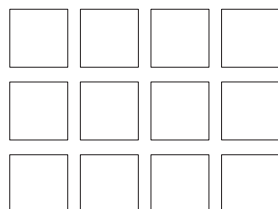
NEW

EVEREST SQUARE

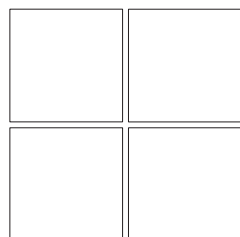
DESCRIPTION: Slab TEXTURE: HD²+ Natural Stone

SLABS

PALLET OVERVIEW - 250x250



500x500



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

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 m ²
Approx. Weight	3 383 lbs	1 535 kg
Number of rows	11	
Coverage per row	10.76 ft ²	1 m ²

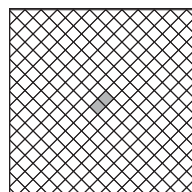
Unit dimensions	in	mm	Units/pallet
Height	2 ³ / ₈	60	44 units
Width	19 ¹¹ / ₁₆	500	
Length	19 ¹¹ / ₁₆	500	

NOTES

See page 17 to 20 for more technical information.

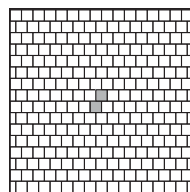
01 | Linear pattern

100% - 250x250



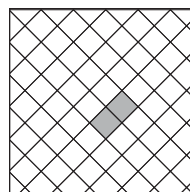
02 | Linear pattern

100% - 250x250



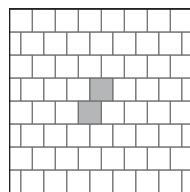
08 | Linear pattern

100% - 500x500



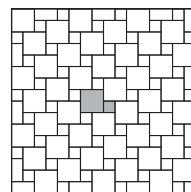
09 | Linear pattern

100% - 500x500



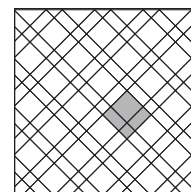
10 | Modular pattern

80% - 500x500 | 20% 250x500



12 | Modular pattern

45% - 500x500 | 45% 250x500 | 10% 250x250



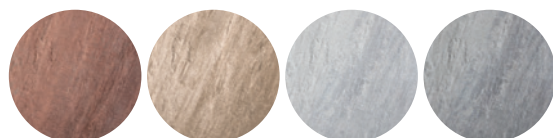
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

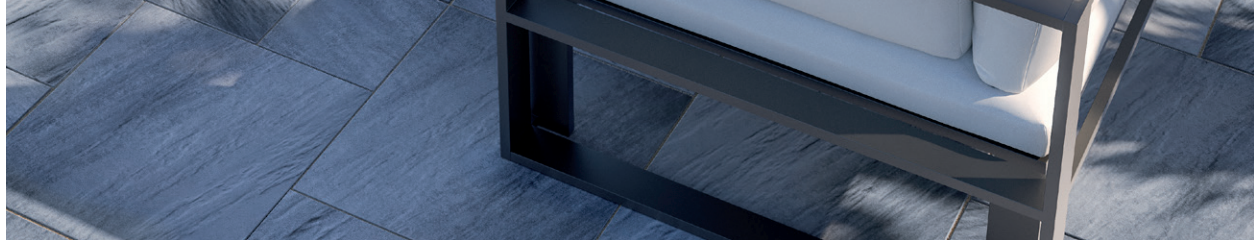
Merlot

Chestnut Brown

Greyed Nickel

Shale Grey



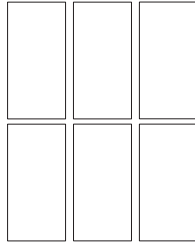


NEW

EVEREST RECTANGLE

DESCRIPTION: Slab **TEXTURE:** HD²+ Natural Stone

PALLET OVERVIEW - 250x500



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



A



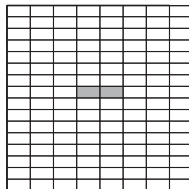
Unit dimensions	in	mm	Units/pallet
Height	2 ³ / ₈	60	66 units
Width	9 ¹³ / ₁₆	250	
Length	19 ¹¹ / ₁₆	500	

NOTES

See page 17 to 20 for more technical information.

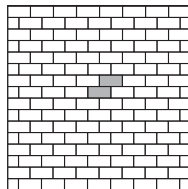
03 | Linear pattern

100% - 250x500



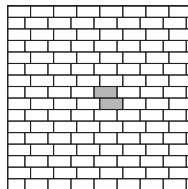
04 | Linear pattern

100% - 250x500



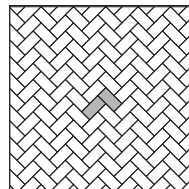
05 | Linear pattern

100% - 250x500



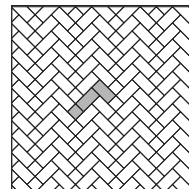
06 | Herringbone pattern

100% - 250x500



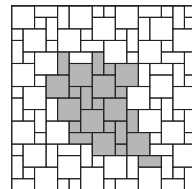
07 | Herringbone Pattern

80% - 250x500 | 20% - 250x250



11 | Modular pattern

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



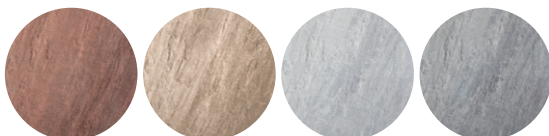
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Merlot

Chestnut Brown

Greyed Nickel

Shale Grey



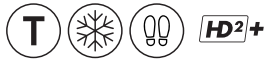
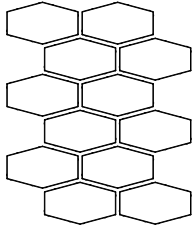


NEW

HEXA 60 mm

DESCRIPTION: Slab **TEXTURE:** HD²+ Smooth

PALLET OVERVIEW

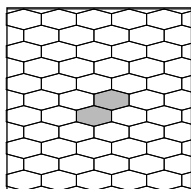


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	132 units
Width	9	228	
Length	15 3/16	385	

NOTES

See page 17 to 20 for more technical information.

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

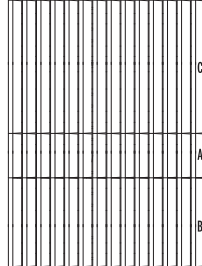




INCA

DESCRIPTION: Slab **TEXTURE:** HD² Slate

PALLET OVERVIEW



NOTES






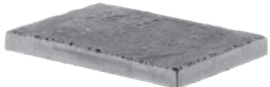
Palletized upright.

*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.

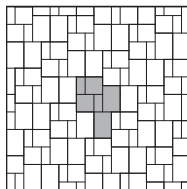
In order to obtain a more realistic appearance to natural stone, wet cast (Stonedge collection) slabs are intended to have a slightly larger variance in their dimensions than dry cast slabs. See Notes for dimensional tolerances on page 17.

See page 17 to 20 for more technical information.

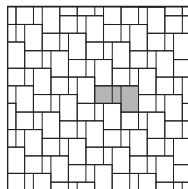
Specifications per pallet	Imperial	Metric
Cubing	66.50 ft²	6.18 m ²
Approx. Weight	1 640 lbs	744 kg
Number of rows	1	
Linear coverage per row	52.5 lin. ft	16 lin. m

	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	

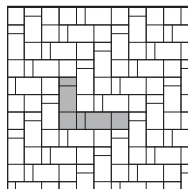
01 | Modular pattern



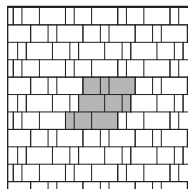
02 | Herringbone pattern



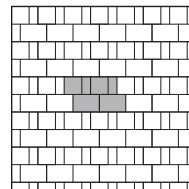
03 | Herringbone pattern



04 | Linear pattern

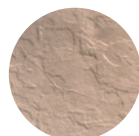


05 | Linear pattern

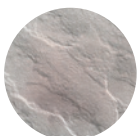


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Baja Beige



Victoria



Riviera

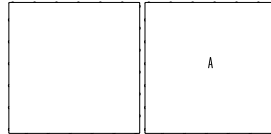




INDUSTRIA SLAB

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.

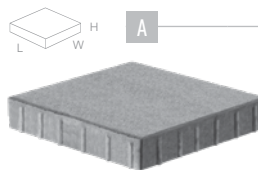
NOTES

See page 17 to 21 for more technical information.

Smooth in Greyed Nickel, Beige Cream, Shale Grey and Onyx Black are in stock. All other colors and textures are made to order.

Smooth and Granitex

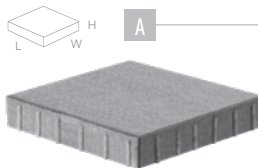
Specifications per pallet	Imperial	Metric
Cubing	54.25 ft²	5.04 m ²
Approx. Weight	1 567 lbs	711 kg
Number of rows	7	
Coverage per row	7.75 ft ²	0.72 m ²
Linear coverage per row	3.94 lin. ft	1.20 lin. m



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

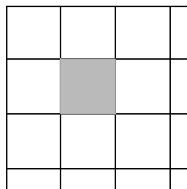
Polished

Specifications per pallet	Imperial	Metric
Cubing	54.25 ft²	5.04 m ²
Approx. Weight	1 555 lbs	705 kg
Number of rows	7	
Coverage per row	7.75 ft ²	0.72 m ²
Linear coverage per row	3.94 lin. ft	1.20 lin. m

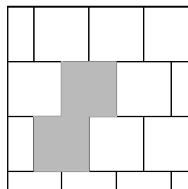


Unit dimensions	in	mm	Units/pallet
Height	2 5/16	58	14 units
Width	23 5/8	600	
Length	23 5/8	600	

29 | Linear pattern

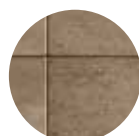


30 | Linear pattern

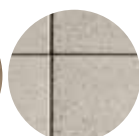


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

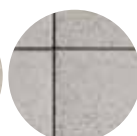
Chestnut Brown



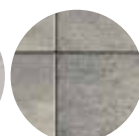
Beige Cream



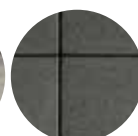
Greyed Nickel



Shale Grey



Onyx Black

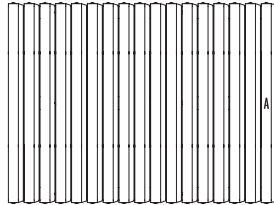




MAYA

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 17.

See page 17 to 20 for more technical information.

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



Baja Beige

Victoria

Riviera

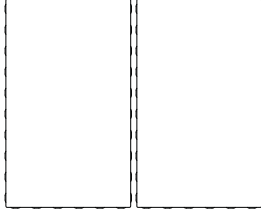




OCEAN GRANDE

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

PALLET OVERVIEW -



NOTES

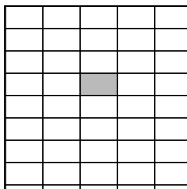
See page 17 to 20 for more technical information.

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

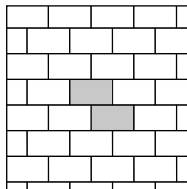
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	22 units
Width	19 1/2	495	
Length	32 1/2	825	



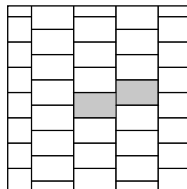
01 | Linear pattern



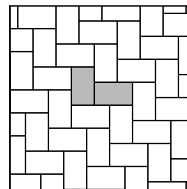
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern

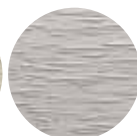


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Beige Cream



Greyed Nickel

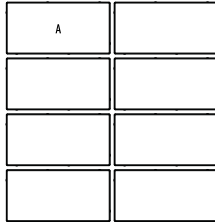




PARA 500 X 250

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

PALLET OVERVIEW



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



NOTES

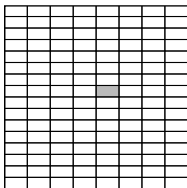
See page 17 to 20 for more technical information.

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



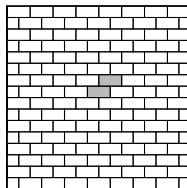
01 | Linear pattern

100% - 500x250



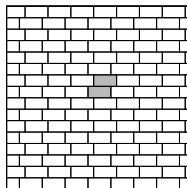
02 | Linear pattern

100% - 500x250



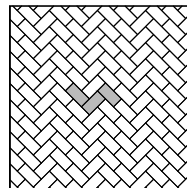
03 | Linear pattern

100% - 500x250



04 | Herringbone pattern

100% - 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

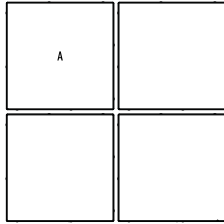




PARA 500 X 500

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

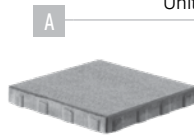
PALLET OVERVIEW



NOTES

See page 17 to 20 for more technical information.

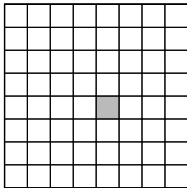
Specifications per pallet	Imperial	Metric
Cubing	118.40 ft²	11 m ²
Approx. Weight	3 403 lb	1 544 kg
Number of rows	11	
Coverage per row	10.76 ft ²	1 m ²
Linear coverage per row	6.56 lin. ft	2 lin. m



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	44 units
Width	19 1/16	500	
Length	19 1/16	500	

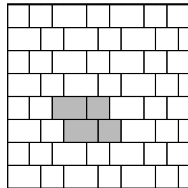
05 | Linear pattern

100% 500x500



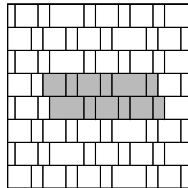
11 | Linear pattern

50% 500x750 | 50% 500x500



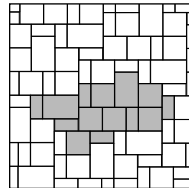
12 | Linear pattern

40% 500x500 | 32% 500x250
28% 500x750



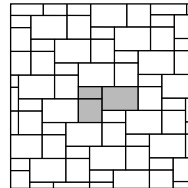
13 | Modular pattern

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.

Beige Cream

Greyed Nickel

Onyx Black

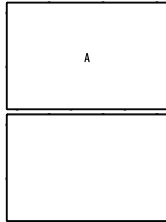




PARA 500 X 750

DESCRIPTION: Slab **TEXTURE:** HD² Smooth

PALLET OVERVIEW



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



NOTES

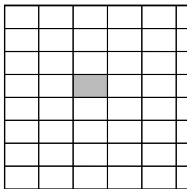
See page 17 to 21 for more technical information.

Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	22 units
Width	19 11/16	500	
Length	29 1/2	750	



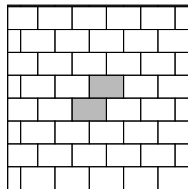
06 | Linear pattern

100% - 500x750



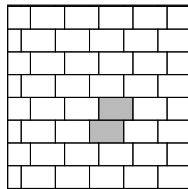
07 | Linear pattern

100% - 500x750



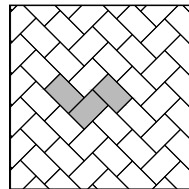
08 | Linear pattern

100% - 500x750



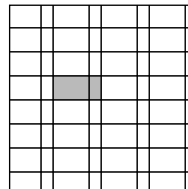
09 | Herringbone pattern

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

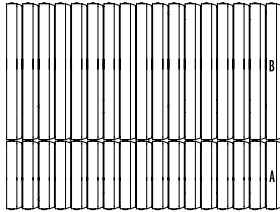




TRAVERTINA RAW

DESCRIPTION : Slab **TEXTURE :** HD² Brushed Travertine

PALLET OVERVIEW - 20"×20" AND 20"×10"



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 17 to 20 for more technical information.

Specifications per pallet		Imperial	Metric
20"×20" - 20"×10"	Cubing	70.83 ft²	6.58 m ²
	Approx. Weight	1 812 lbs	822 kg
	Number of rows	1	
	Coverage per unit	A 1.39 ft ²	0.13 m ²
		B 2.78 ft ²	0.26 m ²
Linear coverage per row		42.5 lin. ft	12.95 lin. m



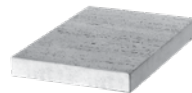
A

Unit dimensions

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



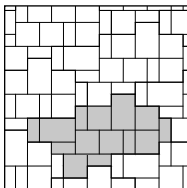
B



Height	2 ¼	57	17 units
Width	20	508	
Length	20	508	

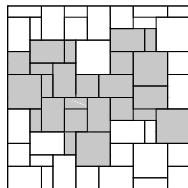
01 | Modular pattern

75% - 20"×20" & 20"×10"
25% - 20"×30"



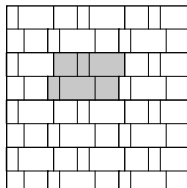
02 | Modular pattern

38% - 20"×30" | 33% - 30×30
29% - 20"×20" & 20"×10"



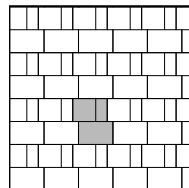
03 | Linear pattern

50% - 20"×30"
50% - 20"×20" & 20"×10"



04 | Linear pattern

50% - 20"×30"
50% - 20"×20" & 20"×10"



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

Rock Garden Brown

Ivory

Riviera

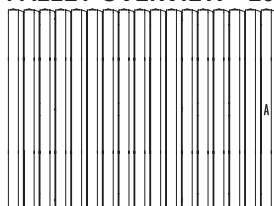




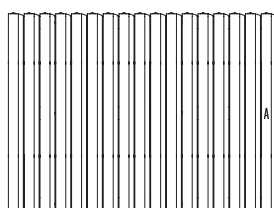
TRAVERTINA RAW

DESCRIPTION : Slab TEXTURE : HD² Brushed Travertine

PALLET OVERVIEW - 20"×30"



PALLET OVERVIEW - 30"×30"



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 17.

See page 17 to 20 for more technical information.

Specifications per pallet		Imperial	Metric
20"×30"	Cubing	70.83 ft²	6.58 m ²
	Approx. Weight	1 822 lbs	826 kg
	Number of rows	1	
	Coverage per units	4.17 ft ²	0.39 m ²
	Linear coverage per row	Depth 28.3 lin. ft Length 42.5 lin. ft	8.64 lin. m 12.95 lin. m

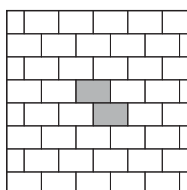
Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Width	20	508	
Length	30	762	

Specifications per pallet		Imperial	Metric
30"×30"	Cubing	106.25 ft²	9.87 m ²
	Approx. Weight	2 667 lbs	1 210 kg
	Number of rows	1	
	Coverage per units	6.25 ft ²	0.58 m ²
	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	

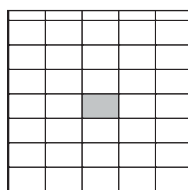
05 | Linear pattern

100% - 20"×30"



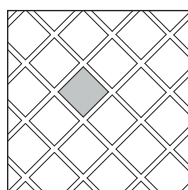
06 | Linear pattern

100% - 20"×30"



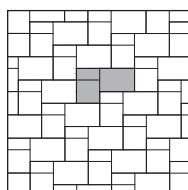
07 | Checkerboard pattern

100% - 30"×30"



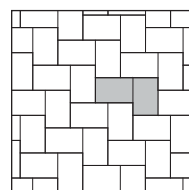
08 | Herringbone pattern

50% - 20"×30"
50% - 20"×20" & 20"×10"



09 | Herringbone pattern

100% - 20"×30"

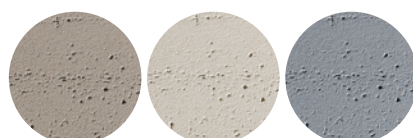


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Rock Garden Brown

Ivory

Riviera



PAVERS

DRIVEWAYS, PERMEABLE DRIVEWAYS & PATIOS







PHYSICAL AND GEOMETRICAL CHARACTERISTICS

CHARACTERISTICS	CSA A231.2
Compressive strength	50 MPa min.
De-icing salt freeze-thaw durability	Mass loss (max.): 225 g/m ² after 28 cycles, or Mass loss (max.): 500 g/m ² after 49 cycles
Dimensional tolerance	Length and Width: -1.0 mm to +2.0 mm Thickness: \pm 3.0 mm

Notes: Dimensional tolerances prior to the application of architectural finishes.

INSTALLATION GUIDE

TYPICAL APPLICATION USAGE

SECTOR	TRAFFIC TYPE & APPLICATIONS	PAVERS
RESIDENTIAL	 <p>1. Light traffic Cars and occasional light service trucks (ex. residential driveways)</p>	<ul style="list-style-type: none"> - Allegro - Antika - Aquastorm - Blu 80 mm - Blu 80 mm (6 x 13) - Diamond - Eva - Hexa 100 mm - Industria 300 x 900 (see Note 1) - Industria 600 x 900 (see Note 1) - Linea (small rectangles) - Mika - Mista Grande & Random - Parisien (square, rectangle) - Sleek - Squadra - Travertina Raw - Valet - Victorien 60 mm - Villagio - Westmount - All products from traffic type 2 & 3.
	 <p>2. Road traffic Cars, heavy trucks, buses (ex. boulevards, main or secondary streets, pedestrian crossings, industrial, ports and airport areas)</p>	<ul style="list-style-type: none"> - Industria 150 x 150 - Industria 200 x 200 - Industria 300 x 100 - Industria 300 x 150 - Industria 300 x 300
ICI (Industrial, Commercial and Institutional)	 <p>3. Light traffic Cars and occasional light service trucks (ex. parking lots, sidewalks)</p>	<ul style="list-style-type: none"> - Aquastorm - Hexa 100 mm - Industria 200 x 400 - Industria 450 x 150 - Industria 450 x 300 - Industria 600 x 300 - Industria 600 x 600 (see Note 1) - Linea (large rectangles) - All products from traffic type 2.
	 <p>4. Pedestrian Pedestrian only and at all times, without cars, or trucks or other mobile equipment (ex. terraces, parks, pedestrian walkways)</p>	<ul style="list-style-type: none"> - Aquastorm - Blu 80 mm (6 x 13) - Diamond - Hexa 100 mm - Industria 450 x 100 - Industria 600 x 100 - Industria 600 x 200 - Industria 300 x 900 - Industria 600 x 900 - Industria 900 x 900 - Linea (small rectangles) - Sleek - Westmount - All products from traffic type 2 & 3.

Note 1: For vehicular applications, it is recommended that this product be installed on a concrete base as designed by a local Engineer.

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% ($\frac{3}{16}$ " 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- $\frac{3}{4}$ " [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- $\frac{3}{4}$ " (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 $\pm\frac{3}{8}$ " (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 $\frac{3}{8}$ " (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 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 FOUNDATION¹

RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL	
	Clayey or Silty ²	Sandy or Gravelly
Driveways	8" to 14" (200 to 350 mm) Minimum	6" to 10" (150 to 250 mm) Minimum
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 per polymeric sand bag of 50 lbs (22.7 kg)

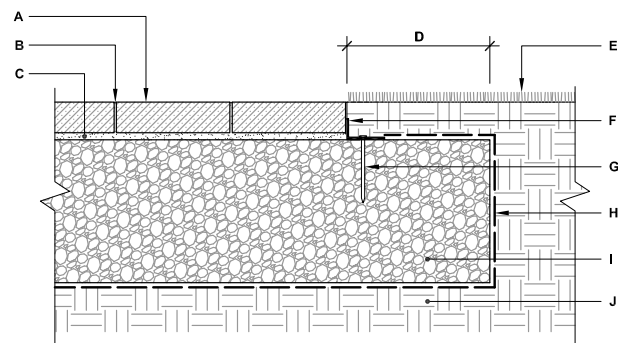
PRODUCTS	sq. ft	sq. m
Allegro	38	3.5
Antika	21	2
Blu 80 mm	76.5	7.11
Blu 80 mm (6"×13")	31.97	2.97
Diamond	28.4	2.64
Eva	143.56	13.34
Hexa 100 mm	61.1	5.7
Industria 150 series - 150×150	31.6	2.94
Industria 200 series - 200×200	41.03	3.81
Industria 200 series - 200×400	54.57	5.07
Industria 300 series - 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 x 100	33.5	3.11
Industria 450 series - 450 x 150	46.4	4.31
Industria 450 series - 450 x 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 x 300	103.5	9.6
Industria 900 series - 900 x 600	166.5	15.5
Industria 900 series - 900 x 900	208.4	19.4
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
Mista Grande	43.4	4

Parisien square	100.64	9.35
Parisien rectangle	120.55	11.20
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

TYPICAL PAVER CROSS SECTION WITH PLASTIC EDGE



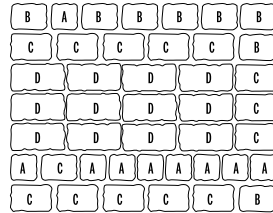
- A. TECO-BLOC PRECAST CONCRETE PAVER 2 3/8" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- E. LAWN
- F. PLASTIC EDGE
- G. NAIL
- H. GEOTEXTILE
- I. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- J. SUBGRADE



ALLEGRO

DESCRIPTION: Paver **TEXTURE:** Undulated and Aged

PALLET OVERVIEW



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

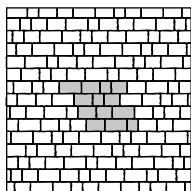
NOTES

See page 48 to 51 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	129.80 ft²	12.06 m ²
Approx. Weight	3 666 lbs	1 663 kg
Number of rows	11	
Coverage per row	11.80 ft ²	1.10 m ²
Linear coverage per row	26.64 lin. ft	8.12 lin. m

	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	99 units
	Width	5 5/16	135	
	Length	4 11/16	119	
B	Height	2 3/8	60	88 units
	Width	5 5/16	135	
	Length	6 11/16	170	
C	Height	2 3/8	60	154 units
	Width	5 5/16	135	
	Length	7 13/16	198	
D	Height	2 3/8	60	132 units
	Width	5 5/16	135	
	Length	9 3/8	238	

01 | Linear pattern



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

Chestnut Brown

Sandeewood

Champlain Grey

Shale Grey

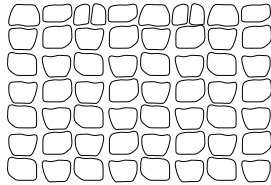




ANTIKA

DESCRIPTION: Paver **TEXTURE:** Smooth and Aged

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.

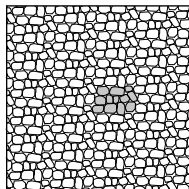
NOTES

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

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

*Pallet layout may vary.

01 | Random pattern



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



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

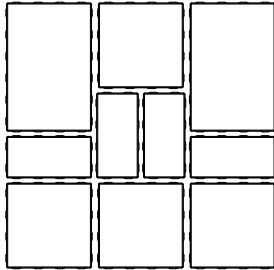
	Unit dimensions	in	mm
A	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
B	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
C	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
D	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
E	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
F	Height	2 3/8	60
	Width	Variable	
	Length	Variable	
G	Height	2 3/8	60
	Depth	Variable	
	Length	Variable	



BLU 80 mm

DESCRIPTION: Paver **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

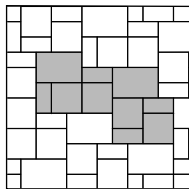
Specifications per pallet	Imperial	Metric
Cubing	84.96 ft²	7.90 m ²
Approx. Weight	3 246 lbs	1 472 kg
Number of rows	8	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.75 lin. ft	2.97 lin. m

Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	32 units
Width	13	330	
Length	6 1/2	165	

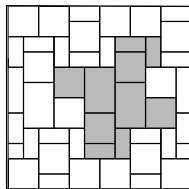
Height	3 1/8	80	32 units
Width	13	330	
Length	13	330	

Height	3 1/8	80	16 units
Width	13	330	
Length	19 1/2	495	

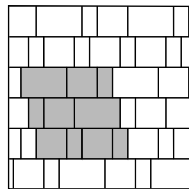
01 | Modular pattern



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
Slate



Mojave Beige
Slate



Sandlewood
Slate



Champlain Grey
Slate



Shale Grey
Slate

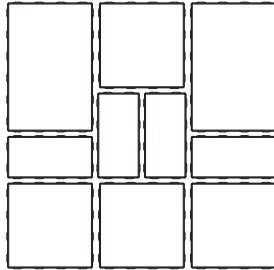




BLU 80 mm

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

PALLET OVERVIEW






NOTES

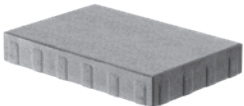
See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATOIN RATE: 570 in./hr
 (14 475 mm/hr)

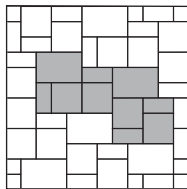
Specifications per pallet	Imperial	Metric
Cubing	84.96 ft²	7.90 m ²
Approx. Weight Smooth	3 095 lbs	1 404 kg
Approx. Weight Smooth HD ²	3 280 lbs	1 488 kg
Number of rows	8	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.75 lin. ft	2.97 lin. m

	Unit dimensions	in	mm	Units/pallet
	Height	3 1/8	80	32 units
	Width	13	330	
	Length	6 1/2	165	

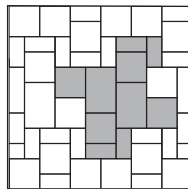
	Height	3 1/8	80	32 units
	Width	13	330	
	Length	13	330	

	Height	3 1/8	80	16 units
	Width	13	330	
	Length	19 1/2	495	

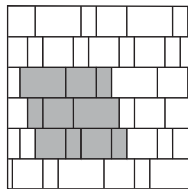
01 | Modular pattern



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

HD² Smooth
Smooth



Champlain Grey

HD² Smooth
Smooth



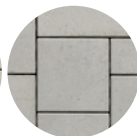
Beige Cream

Smooth



Greyed Nickel

HD² Smooth
Smooth



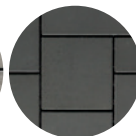
Shale Grey

HD² Smooth
Smooth



Onyx Black

HD² Smooth
Smooth

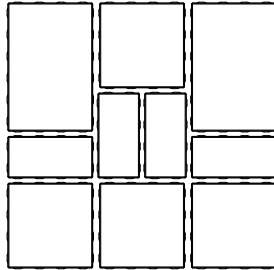




BLU 80 mm

DESCRIPTION: Paver **TEXTURE:** Polished

PALLET OVERVIEW



NOTES

Polished products are available on order only.

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)
% OF SURFACE OPENING: 3.0 %
INFILTRATION RATE: 570 in./hr
 (14 475 mm/hr)

Polished

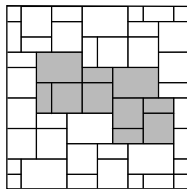
Specifications per pallet	Imperial	Metric
Cubing	84.96 ft²	7.90 m ²
Approx. Weight	3 042 lbs	1 380 kg
Number of rows	8	
Coverage per row	10.62 ft ²	0.99 m ²
Linear coverage per row	9.75 lin. ft	2.97 lin. m

Unit dimensions	in	mm	Units/pallet
Height	3 1/16	78	32 units
Width	13	330	
Length	6 1/2	165	

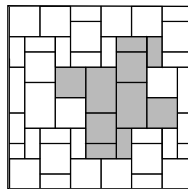
Height	3 1/16	78	32 units
Width	13	330	
Length	13	330	

Height	3 1/16	78	16 units
Width	13	330	
Length	19 1/2	495	

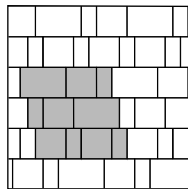
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



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

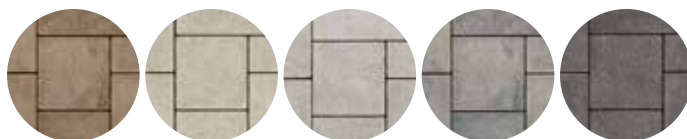
Chestnut Brown

Beige Cream

Greyed Nickel

Shale Grey

Onyx Black

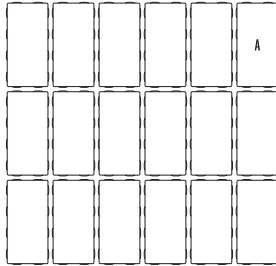




BLU 80 mm (6"×13")

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

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.
When used in a permeable pavement application,
see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)

% OF SURFACE OPENING: 4.6%

INFILTRATION RATE: 570 in./hr (14 475 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		84.40 ft²	7.84 m ²
Approx. Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft ²	0.98 m ²
Linear coverage per row	Depth	19.49 lin. ft	5.94 lin. m
	Length	9.74 lin. ft	2.97 lin. m

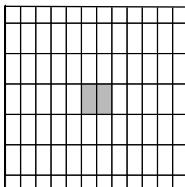


A

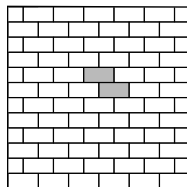


Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	144 units
Width	13	330	
Length	6 1/2	165	

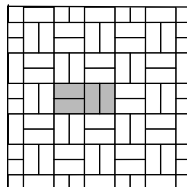
08 | Linear pattern



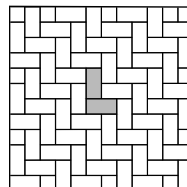
09 | Linear pattern



10 | Parquet pattern



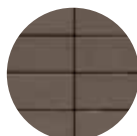
11 | Herringbone pattern



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

Chocolate Brown

Smooth



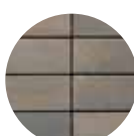
Chestnut Brown

HD² Smooth
Smooth



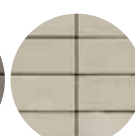
Champlain Grey

HD² Smooth
Smooth



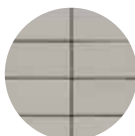
Beige Cream

Smooth



Greyed Nickel

HD² Smooth
Smooth



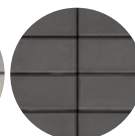
Shale Grey

HD² Smooth
Smooth



Onyx Black

HD² Smooth
Smooth

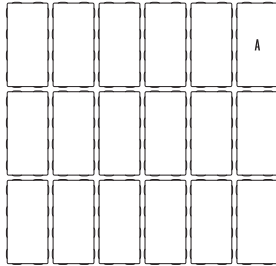




BLU 80 mm (6"×13")

DESCRIPTION: Paver **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.
When used in a permeable pavement application,
see page 90 to 96 for more technical information.

JOINT WIDTH: 9/32" (7 mm)

% OF SURFACE OPENING: 4.6%

INFILTRATION RATE: 570 in./hr (14 475 mm/hr)

Specifications per pallet		Imperial	Metric
Cubing		84.40 ft²	7.84 m ²
Approx. Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft ²	0.98 m ²
Linear coverage per row	Depth	19.49 lin. ft	5.94 lin. m
	Length	9.74 lin. ft	2.97 lin. m

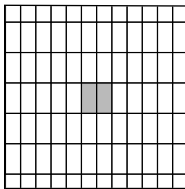


A

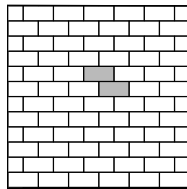


Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	144 units
Width	13	330	
Length	6 1/2	165	

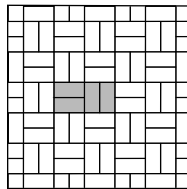
08 | Linear pattern



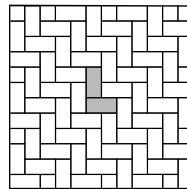
09 | Linear pattern



10 | Parquet pattern



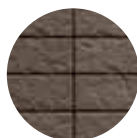
11 | Herringbone pattern



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

Chocolate Brown

Slate



Chestnut Brown

Slate



Sandlewood

Slate



Champlain Grey

Slate



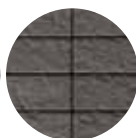
Shale Grey

Slate



Onyx Black

Slate

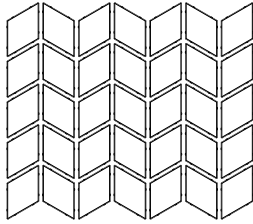




DIAMOND

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

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

HD² Granitex: Minimum order required: 500 ft²

Specifications per pallet	Imperial	Metric
Cubing	74.47 ft²	6.92 m ²
Approx. Weight	3 469 lbs	1 573 kg
Number of rows	7	
Coverage per row	10.64 ft ²	0.99 m ²
Linear coverage per row	20.74 lin. ft	6.32 lin. m
	17.79 lin. ft	5.42 lin. m

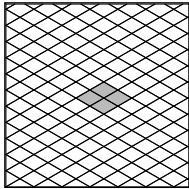


A

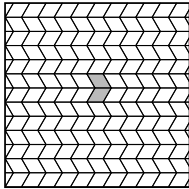
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	245 units
Width	7 1/8	181	
Length	12 5/16	313	



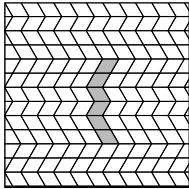
01 | Diamond pattern



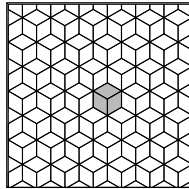
02 | Chevron pattern



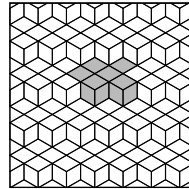
03 | Chevron pattern



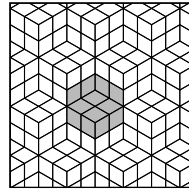
04 | Cubic pattern



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.

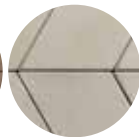
Chestnut Brown

HD² Smooth



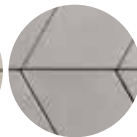
Beige Cream

HD² Smooth



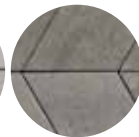
Greyed Nickel

HD² Smooth



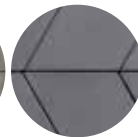
Shale Grey

HD² Smooth



Charcoal

HD² Smooth



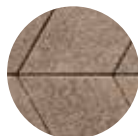
Onyx Black

HD² Smooth



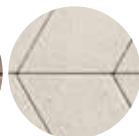
Chestnut Brown

HD² Granitex



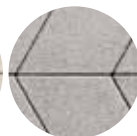
Beige Cream

HD² Granitex



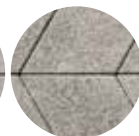
Greyed Nickel

HD² Granitex



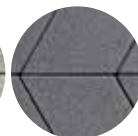
Shale Grey

HD² Granitex



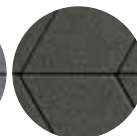
Charcoal

HD² Granitex



Onyx Black

HD² Granitex

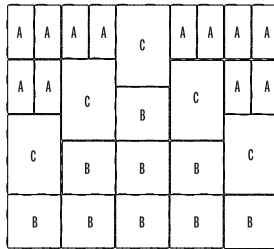




EVA

DESCRIPTION: Paver **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

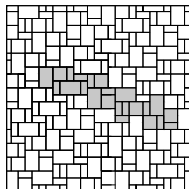
Specifications per pallet	Imperial	Metric
Cubing	132.48 ft²	12.31 m ²
Approx. Weight	3 569 lbs	1 619 kg
Number of rows	11	
Coverage per row	12.04 ft ²	1.12 m ²
Linear coverage per row	16.46 lin. ft	5.02 lin. m

Unit dimensions	in	mm	Units/pallet
A			
Height	2 ⅜	60	132 units
Width	8 ¾	223	
Length	4 ⅝	112	

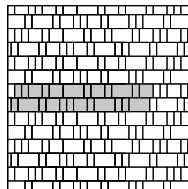
B	Height	2 ⅜	60	99 units
	Width	8 ¾	223	
	Length	8 ¾	223	

C	Height	2 ⅜	60	55 units
	Width	8 ¾	223	
	Length	13 ⅜	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

Mojave Beige

Sandlewood

Champlain Grey

Shale Grey



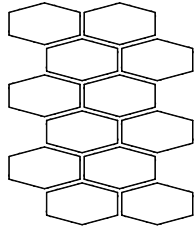


NEW

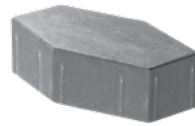
HEXA 100 mm

DESCRIPTION: Paver **TEXTURE:** HD²+ Smooth

PALLET OVERVIEW



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



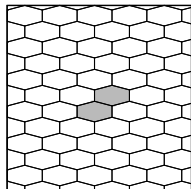
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	84 units
Width	9	228	
Length	15 3/16	385	

NOTES

See page 48 to 51 for more technical information.

On order only.

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

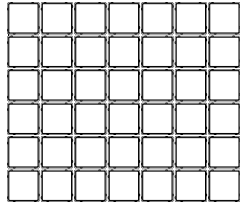




INDUSTRIA 150 SERIES

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

PALLET OVERVIEW - 150x150



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	

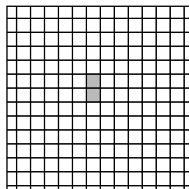
NOTES

See page 48 to 51 for more technical information.

All 150 series items are on order only.

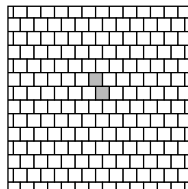
01 | Linear pattern

100% - 150x150



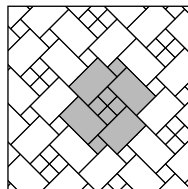
02 | Linear pattern

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.

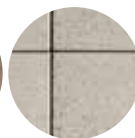
Chestnut Brown

HD² Smooth



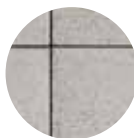
Beige Cream

HD² Smooth



Greyed Nickel

HD² Smooth



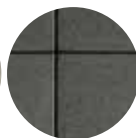
Shale Grey

HD² Smooth



Onyx Black

HD² Smooth



Chestnut Brown

HD² Granitex



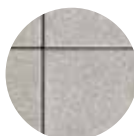
Beige Cream

HD² Granitex



Greyed Nickel

HD² Granitex



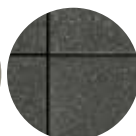
Shale Grey

HD² Granitex



Onyx Black

HD² Granitex

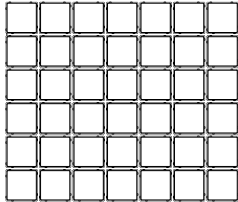




INDUSTRIA 150 SERIES

DESCRIPTION: Paver **TEXTURE:** HD² Polished

PALLET OVERVIEW - 150x150



Specifications per pallet		Imperial	Metric
150X150	Cubing	71.20 ft²	6.62 m ²
	Approx. Weight	3 357 lbs	1 523 kg
	Number of rows	7	
	Coverage per row	10.17 ft ²	0.95 m ²
	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	

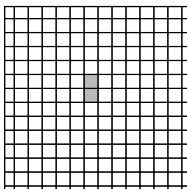
NOTES

See page 48 to 51 for more technical information.

All 150 series items are on order only.

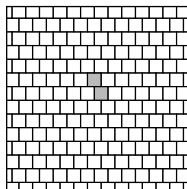
01 | Linear pattern

100% - 150x150



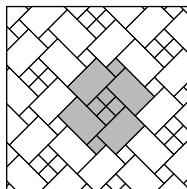
02 | Linear pattern

100% - 150x150



24 | Modular pattern

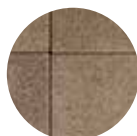
80% - 450x300 | 20% - 150x150



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

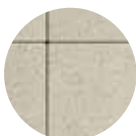
Chestnut Brown

HD² Polished



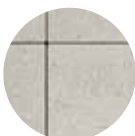
Beige Cream

HD² Polished



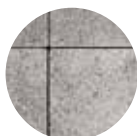
Greyed Nickel

HD² Polished



Shale Grey

HD² Polished



Onyx Black

HD² Polished

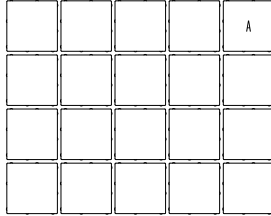




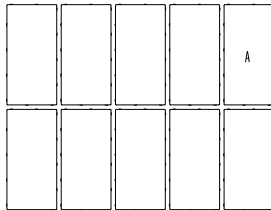
INDUSTRIA 200 SERIES

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

PALLET OVERVIEW - 200x200



PALLET OVERVIEW - 200x400



NOTES

See page 48 to 51 for more technical information.

All 200 series items are on order only.

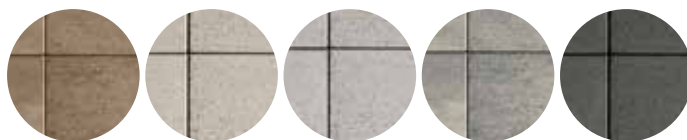
Specifications per pallet		Imperial	Metric
200x200	Cubing	60.28 ft²	5.60 m ²
	Approx. Weight	2 863 lbs	1 299 kg
	Number of rows	7	
	Coverage per row	8.61 ft ²	0.80 m ²
	Linear coverage per row	13.12 lin. ft	4 lin. m

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

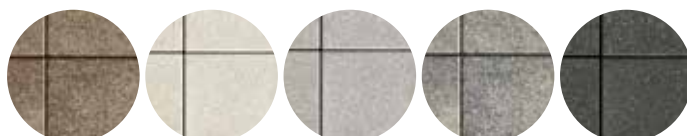
Specifications per pallet		Imperial	Metric
200x400	Cubing	60.28 ft²	5.60 m ²
	Approx. Weight	2 862 lbs	1 298 kg
	Number of rows	7	
	Coverage per row	8.61 ft ²	0.80 m ²
	Linear coverage per row	Depth 6.56 lin. ft Length 13.12 lin. ft	2 lin. m 4 lin. m

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

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

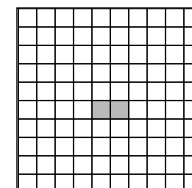


Chestnut Brown HD² Granitex Beige Cream HD² Granitex Greyed Nickel HD² Granitex Shale Grey HD² Granitex Onyx Black HD² Granitex



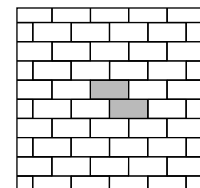
03 | Linear pattern

100% - 200x200

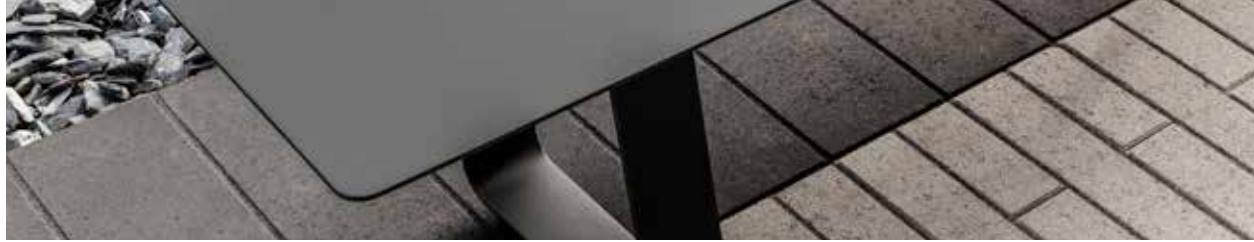


04 | Linear pattern

100% - 200x400



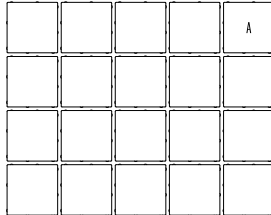
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



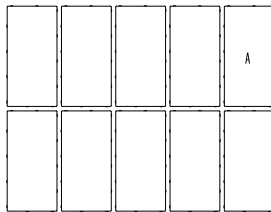
INDUSTRIA 200 SERIES

DESCRIPTION: Paver TEXTURE: HD² Polished

PALLET OVERVIEW - 200x200



PALLET OVERVIEW - 200x400




NOTES


See page 48 to 51 for more technical information.

All 200 series items are on order only.

Specifications per pallet		Imperial	Metric
200x200	Cubing	60.28 ft²	5.60 m ²
	Approx. Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft ²	0.80 m ²
	Linear coverage per row	13.12 lin. ft	4 lin. m

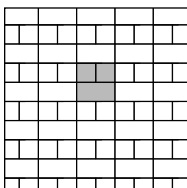
Unit dimensions		in	mm	Units/pallet
	Height	3 ⁷ / ₈	98	140 units
	Width	7 ⁷ / ₈	200	
	Length	7 ⁷ / ₈	200	

Specifications per pallet		Imperial	Metric
200x400	Cubing	60.28 ft²	5.60 m ²
	Approx. Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft ²	0.80 m ²
	Linear coverage per row	Depth 6.56 lin. ft Length 13.12 lin. ft	2 lin. m 4 lin. m

Unit dimensions		in	mm	Units/pallet
	Height	3 ⁷ / ₈	98	70 units
	Width	7 ⁷ / ₈	200	
	Length	15 ³ / ₄	400	

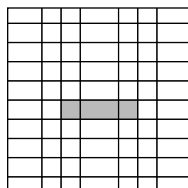
05 | Linear pattern

50% - 200x200 | 50% - 200x400

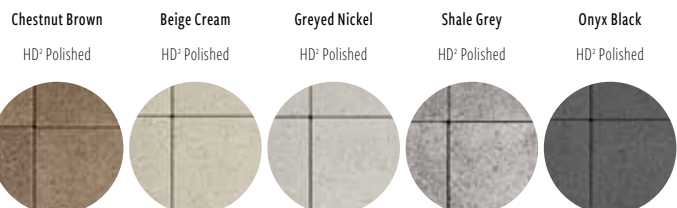


06 | Linear pattern

60% - 200x200 | 40% - 200x400



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

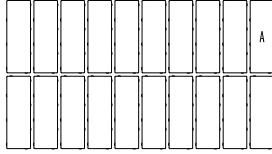




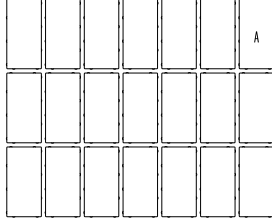
INDUSTRIA 300 SERIES

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

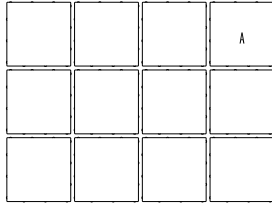
PALLET OVERVIEW - 300x100



PALLET OVERVIEW - 300x150



PALLET OVERVIEW - 300x300



NOTES

See page 48 to 51 for more technical information.

All 300 series items are on order only.

Specifications per pallet		Imperial	Metric
300x100	Cubing	45.21 ft²	4.20 m²
	Approx. Weight	2 051 lbs	930 kg
	Number of rows	7	
	Coverage per row	6.46 ft²/row	0.60 m²
	Linear coverage per row	Depth 19.69 lin. ft Length 6.56 lin. ft	6 lin. m 2 lin. m



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	140 units
Width	11 13/16	300	
Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
300x150	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 Length 10.33 lin. ft	6.30 lin. m 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	

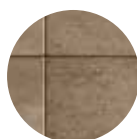
Specifications per pallet		Imperial	Metric
300x300	Cubing	81.38 ft²	7.56 m²
	Approx. Weight	3 725 lbs	1 690 kg
	Number of rows	7	
	Coverage per row	11.63 ft²	1.08 m²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



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

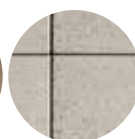
Chestnut Brown

HD² Smooth
HD² Granitex



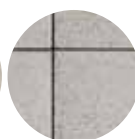
Beige Cream

HD² Smooth
HD² Granitex



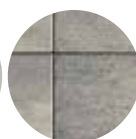
Greyed Nickel

HD² Smooth
HD² Granitex



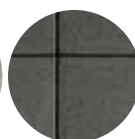
Shale Grey

HD² Smooth
HD² Granitex



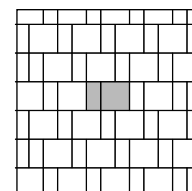
Onyx Black

HD² Smooth
HD² Granitex



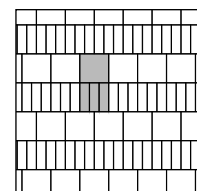
07 | Linear pattern

65% - 300x300 | 35% - 300x150



08 | Linear pattern

50% - 300x300 | 50% - 300x150



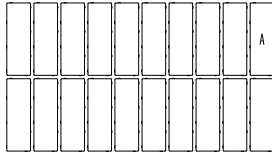
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



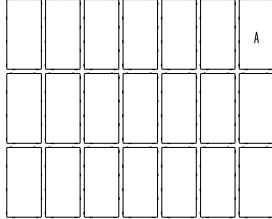
INDUSTRIA 300 SERIES

DESCRIPTION: Paver TEXTURE: HD² Polished

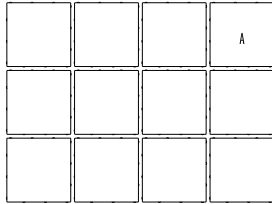
PALLET OVERVIEW - 300x100



PALLET OVERVIEW - 300x150



PALLET OVERVIEW - 300x300



NOTES

See page 48 to 51 for more technical information.

All 300 series items are on order only.

Specifications per pallet		Imperial	Metric
300x100	Cubing	45.21 ft²	4.20 m²
	Approx. Weight	1 989 lbs	902 kg
	Number of rows	7	
	Coverage per row	6.46 ft²	0.60 m²
	Linear coverage per row	Depth 19.69 lin. ft Length 6.56 lin. ft	6 lin. m 2 lin. m

Unit dimensions		in	mm	Units/pallet
	Height	3 7/8	98	140 units
	Width	11 13/16	300	
	Length	3 15/16	100	

Specifications per pallet		Imperial	Metric
300x150	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 Length 10.33 lin. ft	6.30 lin. m 3.15 lin. m

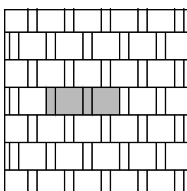
Unit dimensions		in	mm	Units/pallet
	Height	3 7/8	98	147 units
	Width	11 13/16	300	
	Length	5 7/8	150	

Specifications per pallet		Imperial	Metric
300x300	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 7/8	98	84 units
	Width	11 13/16	300	
	Length	11 13/16	300	

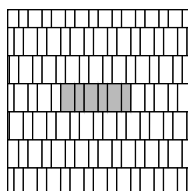
09 | Linear pattern

75% - 300x300 | 25% - 300x100

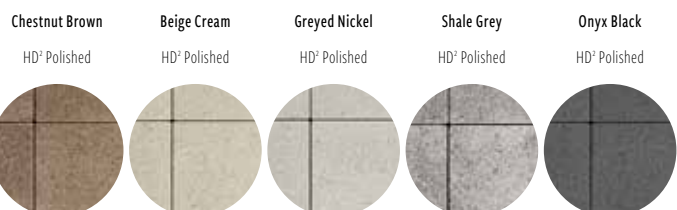


10 | Linear pattern

60% - 300x150 | 40% - 300x100



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

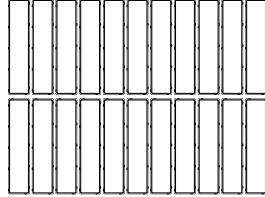




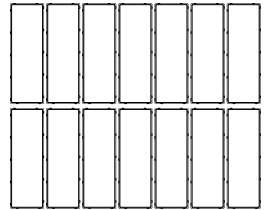
INDUSTRIA 450 SERIES

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

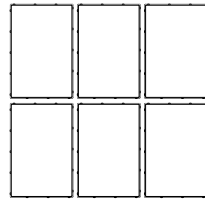
PALLET OVERVIEW - 450X100



PALLET OVERVIEW - 450X150



PALLET OVERVIEW - 450X300



NOTES

See page 48 to 51 for more technical information.

All 450 series items are on order only.

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

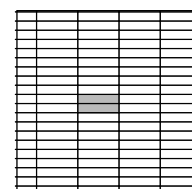
Unit dimensions		in	mm	Units/pallet
	Height	3 15/16	100	98 units
	Width	5 7/8	150	
	Length	17 11/16	450	

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	

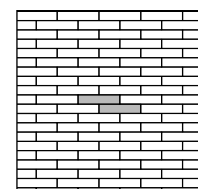
11 | Linear pattern

100% - 450x100



12 | Linear pattern

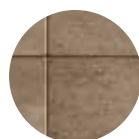
100% - 450x100



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

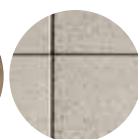
Chestnut Brown

HD² Smooth
HD² Granitex



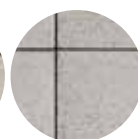
Beige Cream

HD² Smooth
HD² Granitex



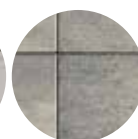
Greyed Nickel

HD² Smooth
HD² Granitex



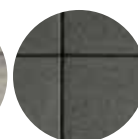
Shale Grey

HD² Smooth
HD² Granitex



Onyx Black

HD² Smooth
HD² Granitex

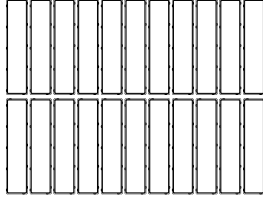




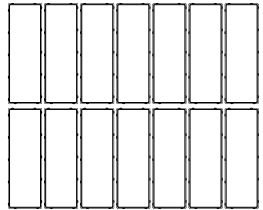
INDUSTRIA 450 SERIES

DESCRIPTION: Paver TEXTURE: HD² Polished

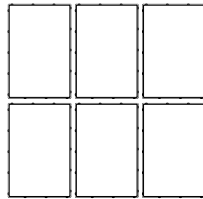
PALLET OVERVIEW - 450X100



PALLET OVERVIEW - 450X150



PALLET OVERVIEW - 450X300

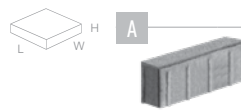


NOTES

See page 48 to 51 for more technical information.

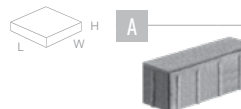
All 450 series items are on order only.

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 Length 7.22 lin. ft	9.90 lin. m 2.20 lin. m



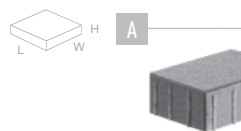
Unit dimensions	in	mm	Units/pallet
Height	3 7/8	98	154 units
Width	3 15/16	100	
Length	17 11/16	450	

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 Length 6.89 lin. ft	6.30 lin. m 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	

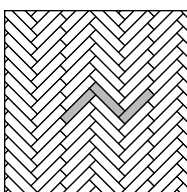
Specifications per pallet		Imperial	Metric
450X300	Cubing	61.03 ft²	5.67 m²
	Approx. Weight	2 883 lbs	1 308 kg
	Number of rows	7	
	Coverage per row	8.72 ft²	0.81 m²
	Linear coverage per row	Depth 8.86 lin. ft Length 5.91 lin. ft	2.70 lin. m 1.80 lin. m



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

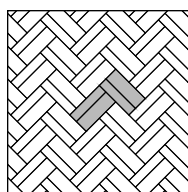
13 | Herringbone pattern

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.

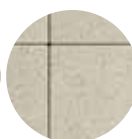
Chestnut Brown

HD² Polished



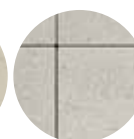
Beige Cream

HD² Polished



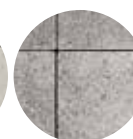
Greyed Nickel

HD² Polished



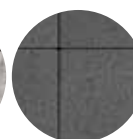
Shale Grey

HD² Polished



Onyx Black

HD² Polished

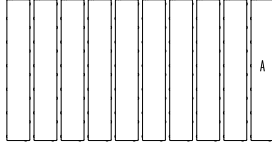




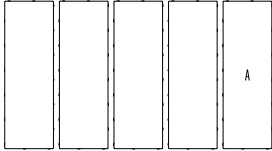
INDUSTRIA 600 SERIES

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

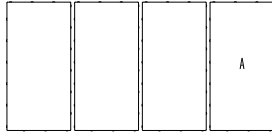
PALLET OVERVIEW - 600x100



PALLET OVERVIEW - 600x200



PALLET OVERVIEW - 600x300



NOTES

See page 48 to 51 for more technical information.

Beige Cream, Greyed Nickel, Shale Grey and Onyx Black in HD² Smooth are in stock with shorter lead times. All other color and texture combinations are on order.

Specifications per pallet		Imperial	Metric
600x100	Cubing	45.21 ft²	4.20 m ²
	Approx. Weight	2 112 lbs	958 kg
	Number of rows	7	
	Coverage per row	6.46 ft ²	0.60 m ²
	Linear coverage per row	Depth 19.69 lin. ft Length 3.28 lin. ft	6 lin. m 1 lin. m

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

Specifications per pallet		Imperial	Metric
600x200	Cubing	45.21 ft²	4.20 m ²
	Approx. Weight	2 146 lbs	973 kg
	Number of rows	7	
	Coverage per row	6.46 ft ²	0.60 m ²
	Linear coverage per row	Depth 9.84 lin. ft Length 3.28 lin. ft	3 lin. m 1 lin. m

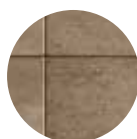
Unit dimensions		in	mm	Units/pallet
A	Height	3 15/16	100	35 units
	Width	23 5/8	600	
	Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
600x300	Cubing	54.25 ft²	5.04 m ²
	Approx. Weight	2 567 lbs	1 164 kg
	Number of rows	7	
	Coverage per row	7.75 ft ²	0.72 m ²
	Linear coverage per row	Depth 7.87 lin. ft Length 3.94 lin. ft	2.40 lin. m 1.20 lin. m

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

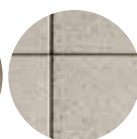
Chestnut Brown

HD² Smooth
HD² Granitex



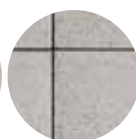
Beige Cream

HD² Smooth
HD² Granitex



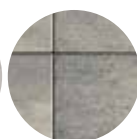
Greyed Nickel

HD² Smooth
HD² Granitex



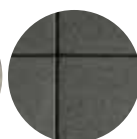
Shale Grey

HD² Smooth
HD² Granitex



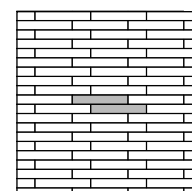
Onyx Black

HD² Smooth
HD² Granitex



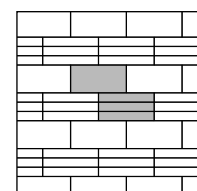
25 | Linear pattern

100% - 600x100



26 | Linear pattern

50% - 600x100 | 50% - 600x300



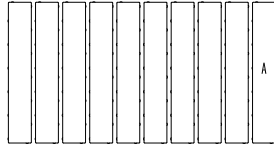
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.



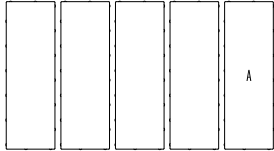
INDUSTRIA 600 SERIES

DESCRIPTION: Paver TEXTURE: HD² Polished

PALLET OVERVIEW - 600x100



PALLET OVERVIEW - 600x200



PALLET OVERVIEW - 600x300



NOTES

See page 48 to 51 for more technical information.

Beige Cream, Greyed Nickel, Shale Grey and Onyx Black in HD² Smooth are in stock with shorter lead times. All other color and texture combinations are on order.

Specifications per pallet		Imperial	Metric
600x100	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 Length 3.28 lin. ft	6 lin. m 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	

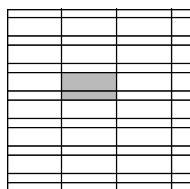
Specifications per pallet		Imperial	Metric
600x200	Cubing	45.21 ft²	4.20 m²
	Approx. Weight	2 145 lbs	973 kg
	Number of rows	7	
	Coverage per row	6.46 ft²	0.60 m²
	Linear coverage per row	Depth 9.84 lin. ft Length 3.28 lin. ft	3 lin. m 1 lin. m

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

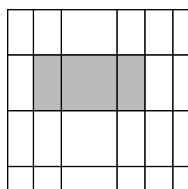
Specifications per pallet		Imperial	Metric
600x300	Cubing	54.25 ft²	5.04 m²
	Approx. Weight	2 567 lbs	1 164 kg
	Number of rows	7	
	Coverage per row	7.75 ft²	0.72 m²
	Linear coverage per row	Depth 7.87 lin. ft Length 3.94 lin. ft	2.40 lin. m 1.20 lin. m

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

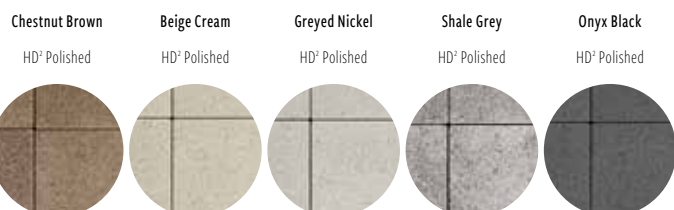
27 | Linear pattern
65% - 600x200 | 35% - 600x100



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.





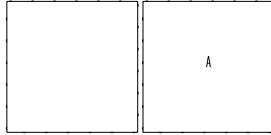
INDUSTRIA 600 SERIES

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 48 to 51 for more technical information.

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

60×600×600 SLAB:

See page 17 to 21 for more technical information.

Beige Cream, Greyed Nickel, Shale Grey and Onyx Black in HD² Smooth are in stock with shorter lead times. All other color and texture combinations are on order.

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

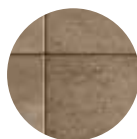
Unit dimensions		in	mm	Units/pallet
	Height	3 15/16	100	14 units
	Width	23 5/8	600	
	Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
SLAB 60×600×600	Cubing	54.25 ft ²	5.04 m ²
	Approx. Weight	1 567 lbs	711 kg
	Number of rows	7	
	Coverage per row	7.75 ft ²	0.72 m ²
	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	
	Length	23 5/8	600	

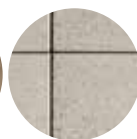
Chestnut Brown

HD² Smooth
HD² Granitex



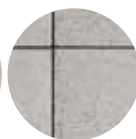
Beige Cream

HD² Smooth
HD² Granitex



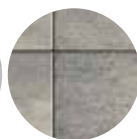
Greyed Nickel

HD² Smooth
HD² Granitex



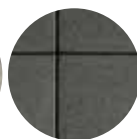
Shale Grey

HD² Smooth
HD² Granitex



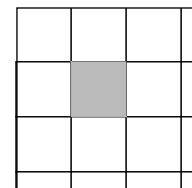
Onyx Black

HD² Smooth
HD² Granitex



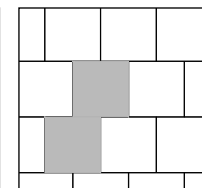
29 | Linear pattern

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 48 to 51 for more technical information.

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

60×600×600 SLAB:

See page 17 to 21 for more technical information.

Beige Cream, Greyed Nickel, Shale Grey and Onyx Black in HD² Smooth are in stock with shorter lead times. All other color and texture combinations are on order.

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

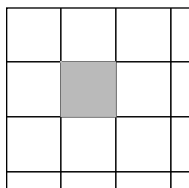
Unit dimensions		in	mm	Units/pallet
	Height	3 7/8	98	14 units
	Width	23 5/8	600	
	Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
SLAB 60×600×600	Cubing	54.25 ft ²	5.04 m ²
	Approx. Weight	1 555 lbs	705 kg
	Number of rows	7	
	Coverage per row	7.75 ft ²	0.72 m ²
	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 5/8	600	
	Length	23 5/8	600	

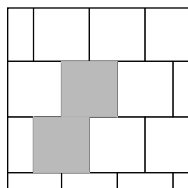
29 | Linear pattern

100% - 600x600

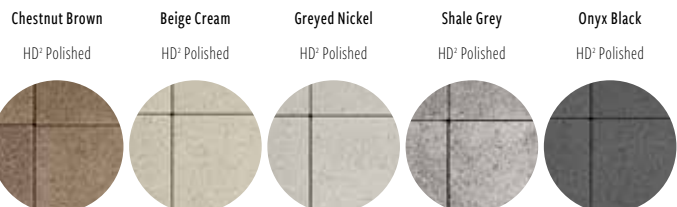


30 | Linear pattern

100% - 600x600



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

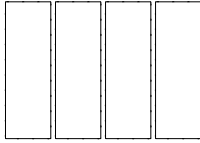




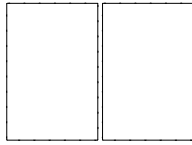
INDUSTRIA 900 SERIES

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

PALLET OVERVIEW - 900x300



PALLET OVERVIEW - 900x600



PALLET OVERVIEW - 900x900



NOTES

See page 48 to 51 for more technical information.

All 900 series items are on order only.

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

Specifications per pallet		Imperial	Metric
900x300	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
A	Height	3 15/16	100	28 units
	Width	35 7/16	900	
	Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
900x600	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
A	Height	3 15/16	100	14 units
	Width	35 7/16	900	
	Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
900x900	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
A	Height	3 15/16	100	7 units
	Width	35 7/16	900	
	Length	35 7/16	900	

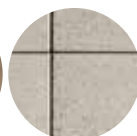
Chestnut Brown

HD² Smooth
HD² Granitex



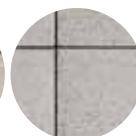
Beige Cream

HD² Smooth
HD² Granitex



Greyed Nickel

HD² Smooth
HD² Granitex



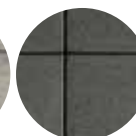
Shale Grey

HD² Smooth
HD² Granitex



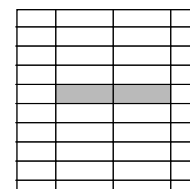
Onyx Black

HD² Smooth
HD² Granitex



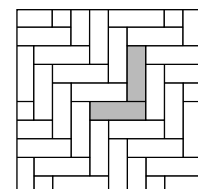
31 | Linear pattern

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.



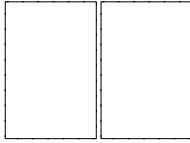
INDUSTRIA 900 SERIES

DESCRIPTION: Paver TEXTURE: HD² Polished

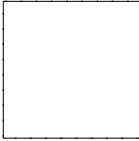
PALLET OVERVIEW - 900x300



PALLET OVERVIEW - 900x600



PALLET OVERVIEW - 900x900



NOTES

See page 48 to 51 for more technical information.

All 900 series items are on order only.

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

Specifications per pallet		Imperial	Metric
900x300	Cubing	81.38 ft²	7.56 m ²
	Approx. Weight	3 821 lbs	1 733 kg
	Number of rows	7	
	Coverage per row	11.63 ft ²	1.08 m ²

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
900x600	Cubing	81.38 ft²	7.56 m ²
	Approx. Weight	3 839 lbs	1 741 kg
	Number of rows	7	
	Coverage per row	11.63 ft ²	1.08 m ²

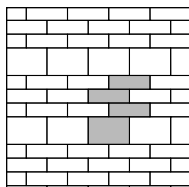
Unit dimensions		in	mm	Units/pallet
	Height	3 ⁷ / ₈	98	14 units
	Width	35 ⁷ / ₁₆	900	
	Length	23 ⁵ / ₈	600	

Specifications per pallet		Imperial	Metric
900x900	Cubing	61.00 ft²	5.67 m ²
	Approx. Weight	2 893 lbs	1 312 kg
	Number of rows	7	
	Coverage per row	8.72 ft ²	0.81 m ²

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

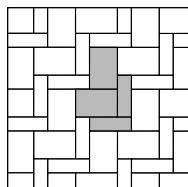
42 | Linear pattern

60% - 900x300 | 40% - 900x600

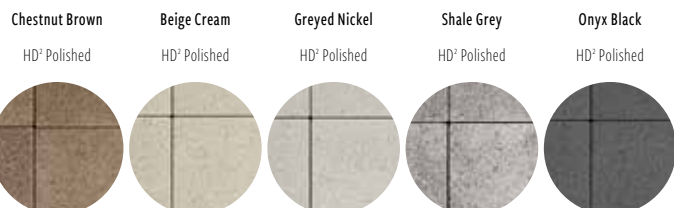


44 | Herringbone pattern

70% - 900x600 | 30% - 900x300



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

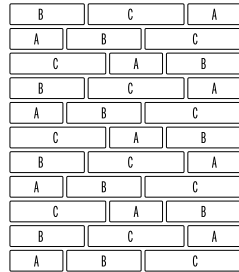




LINEA SMALL RECTANGLES

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	80.81 ft²	7.51 m ²
Approx. Weight	3 730 lbs	1 692 kg
Number of rows	7	
Coverage per row	11.54 ft ²	1.07 m ²
Linear coverage per row	35.25 lin. ft	10.74 lin. m

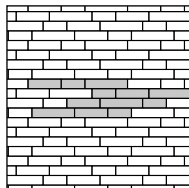
Unit dimensions	in	mm	Units/pallet
Height	3 ¹⁵ / ₁₆	100	77 units
Width	3 ¹⁵ / ₁₆	100	
Length	8 ⁷ / ₈	225	

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

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

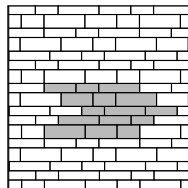
01 | Linear pattern

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.

Chocolate Brown

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

Onyx Black

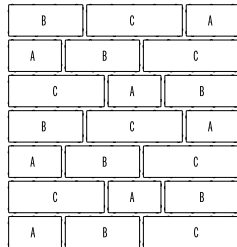




LINEA LARGE RECTANGLES

DESCRIPTION: Paver **TEXTURE:** Smooth


PALLET OVERVIEW





NOTES

See page 48 to 51 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	77.14 ft²	7.17 m ²
Approx. Weight	3 631 lbs	1 647 kg
Number of rows	7	
Coverage per row	11.02 ft ²	1.02 m ²
Linear coverage per row	22.40 lin. ft	6.83 lin. m

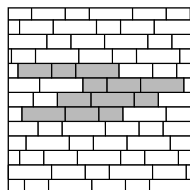
Unit dimensions	in	mm	Units/pallet
 A			
Height	3 15/16	100	49 units
Width	5 7/8	150	
Length	8 7/8	225	

 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	

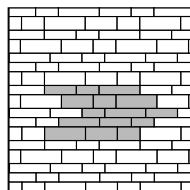
02 | Linear pattern

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.

Chocolate Brown

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

Onyx Black

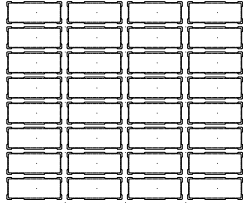




MIKA

DESCRIPTION: Paver **TEXTURE:** HD² Slate

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

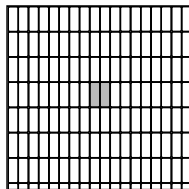
JOINT WIDTH: 5/8" (15 mm)
% OF SURFACE OPENING: 7.8 %
INFILTRATOIN RATE: 909 in./hr
 (23 094 mm/hr)

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

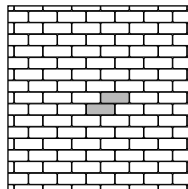


Unit dimensions	in	mm	Units/pallet
Height	2 ¾	70	320 units
Width	4 7/16	112	
Length	11	279	

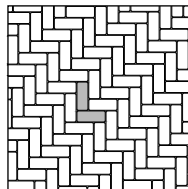
01 | Linear pattern



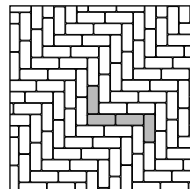
02 | Linear pattern



03 | Herringbone pattern

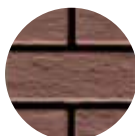


04 | Herringbone pattern



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

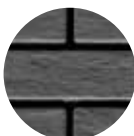
Burgundy



Rock Garden Brown



Carbon

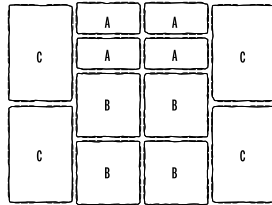




MISTA GRANDE

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

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

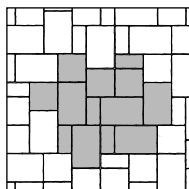
Specifications per pallet	Imperial	Metric
Cubing	93.04 ft²	8.65 m ²
Approx. Weight	3 474 lbs	1 576 kg
Number of rows	8	
Coverage per row	11.63 ft ²	1.08 m ²
Linear coverage per row	11.80 lin. ft	3.60 lin. m

Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	32 units
Width	11 13/16	300	
Length	5 7/8	150	

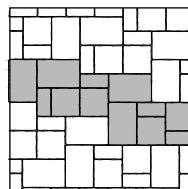
Height	3 1/8	80	32 units
Width	11 13/16	300	
Length	11 13/16	300	

Height	3 1/8	80	32 units
Width	11 13/16	300	
Length	17 11/16	450	

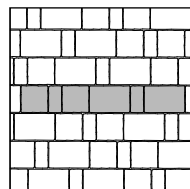
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



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

Chocolate Brown



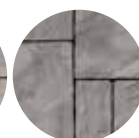
Chestnut Brown



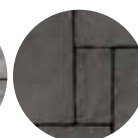
Champlain Grey



Shale Grey



Onyx Black

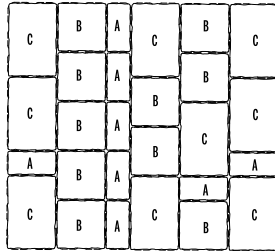




MISTA RANDOM

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 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

*Mojave Beige is only available in Midwestern USA. See page 13 for list of Eastern and Midwestern States.

JOINT WIDTH: 3/16" TO 9/16" (4 TO 14 mm)

% OF SURFACE OPENING: 6.3 %

INFILTRATION 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

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



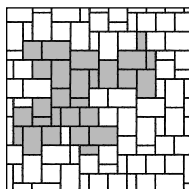
Height	2 9/16	65	100 units
Width	7 7/8	200	
Length	7 7/8	200	



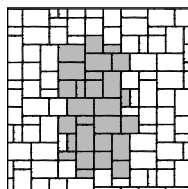
Height	2 9/16	65	90 units
Width	7 7/8	200	
Length	11 13/16	300	



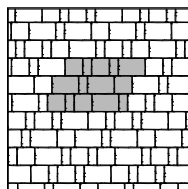
04 | Modular pattern



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



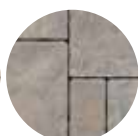
Mojave Beige



Sandlewood



Champlain Grey



Shale Grey

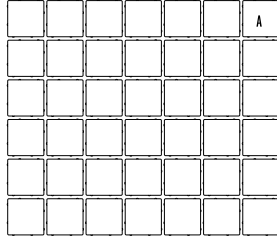




PARISIEN SQUARE

DESCRIPTION: Paver **TEXTURE:** Smooth and Beveled

PALLET OVERVIEW - SQUARE



NOTES

See page 48 to 51 for more technical information

Specifications per pallet	Imperial	Metric
Cubing	124.20 ft²	11.54 m ²
Approx. Weight	3 526 lbs	1 599 kg
Number of rows	11	
Coverage per row	11.29 ft ²	1.05 m ²
Linear coverage per row	21.88 lin. ft	6.67 lin. m



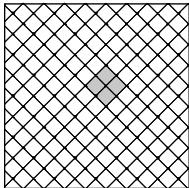
A



Unit dimensions	in	mm	Units/pallet
Height	2 ³ / ₈	60	462 units
Width	6 ¹ / ₄	158	
Length	6 ¹ / ₄	158	

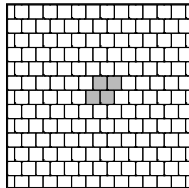
01 | Checkerboard pattern

100% squares



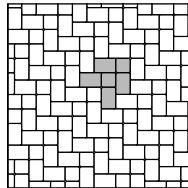
02 | Linear pattern

100% squares



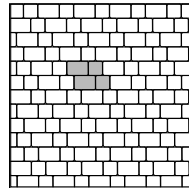
05 | Herringbone pattern

75% rectangles | 25% squares



06 | Linear pattern

60% rectangles | 40% squares



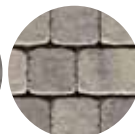
Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

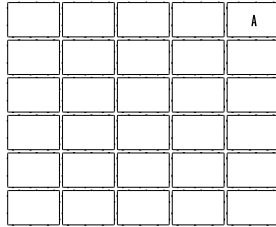




PARISIEN RECTANGLE

DESCRIPTION: Paver **TEXTURE:** Smooth and Beveled

PALLET OVERVIEW - RECTANGLE



NOTES

See page 48 to 51 for more technical information

Specifications per pallet		Imperial	Metric
Cubing		134.20 ft²	12.47 m ²
Approx. Weight		3 824 lbs	1 735 kg
Number of rows		11	
Coverage per row		12.20 ft ²	1.13 m ²
Linear coverage/row	Depth	15.60 lin. ft	4.75 lin. m
	Length	23.45 lin. ft	7.15 lin. m



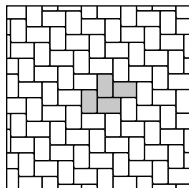
A



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	330 units
Width	6 1/4	158	
Length	9 3/8	238	

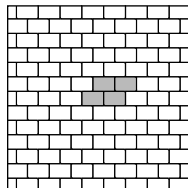
03 | Herringbone pattern

100% rectangles



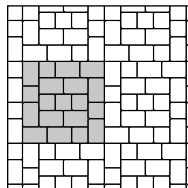
04 | Linear pattern

100% rectangles



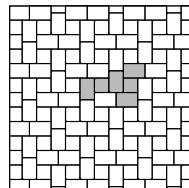
07 | Parquet pattern

70% rectangles | 30% squares



08 | Parquet pattern

75% rectangles | 25% squares



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

Chocolate Brown



Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey



Onyx Black

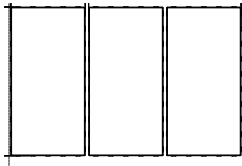




SLEEK

DESCRIPTION: Paver **TEXTURE:** HD² Smooth

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

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

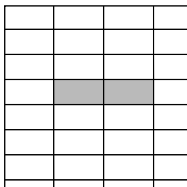


A

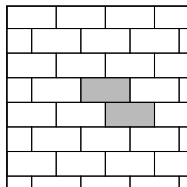


Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	24 units
Width	15 7/8	404	
Length	31 15/16	811	

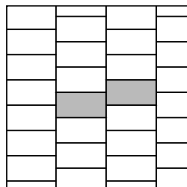
01 | Linear pattern



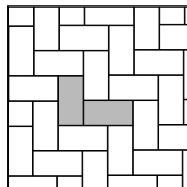
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern



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

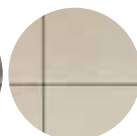
Chestnut Brown



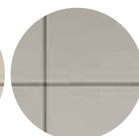
Champlain Grey



Beige Cream



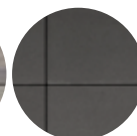
Greyed Nickel



Shale Grey



Onyx Black

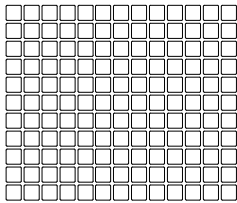




SQUADRA

DESCRIPTION: Paver **TEXTURE:** Aged

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	95.43 ft²	8.87 m²
Approx. Weight	2 438 lbs	1 106 kg
Number of rows	9	
Coverage per row	10.60 ft²	0.99 m²
Linear coverage per row	38.94 lin. ft	11.87 lin. m

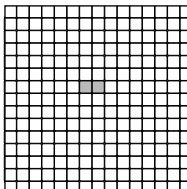


A

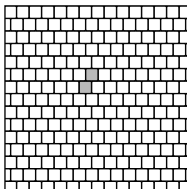
Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	1287 units
Width	3 ¼	83	
Length	3 ¼	83	



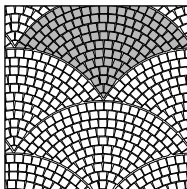
01 | Linear pattern



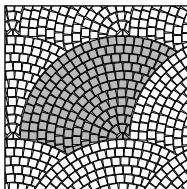
02 | Linear pattern



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



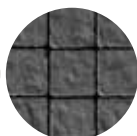
Chestnut Brown



Shale Grey



Onyx Black

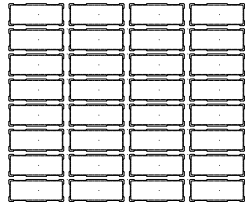




TRAVERTINA RAW

DESCRIPTION: Paver **TEXTURE:** HD² Brushed Travertine

PALLET OVERVIEW



NOTES

See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

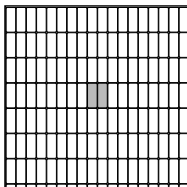
JOINT WIDTH: 5/8" (15 mm)
% OF SURFACE OPENING: 7.8 %
INFILTRATOIN RATE: 793 in./hr
 (20 150 mm/hr)

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

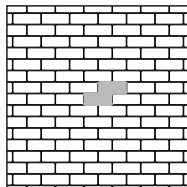


Unit dimensions	in	mm	Units/pallet
Height	2 ¾	70	320 units
Width	4 7/16	112	
Length	11	279	

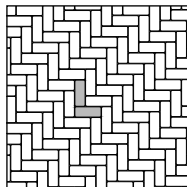
01 | Linear pattern



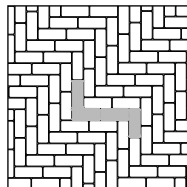
02 | Linear pattern



03 | Herringbone pattern



04 | Herringbone pattern



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

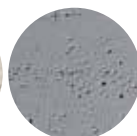
Rock Garden Brown



Ivory



Riviera

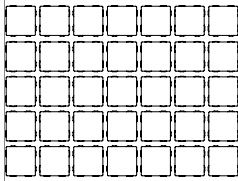




VALET

DESCRIPTION: paver **TEXTURE:** Basalt

PALLET OVERVIEW






NOTES

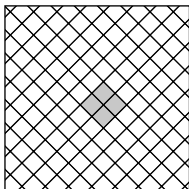
See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

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

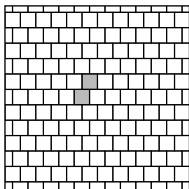
Specifications per pallet	Imperial	Metric
Cubing	92.31 ft²	8.58 m²
Approx. Weight	2 381 lbs	1 080 kg
Number of rows	9	
Coverage per row	10.26 ft²	0.95 m²
Linear coverage per row	18.95 lin. ft	5.78 lin. m

	Unit dimensions	in	mm	Units/pallet
	Height	2 3/8	60	315 units
	Width	6 1/2	165	
	Length	6 1/2	165	

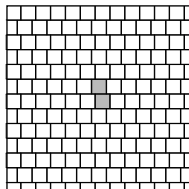
01 | Checkerboard pattern



02 | Linear pattern



03 | Linear pattern



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

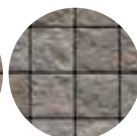
Chestnut Brown



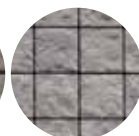
Sandlewood



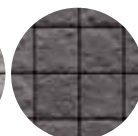
Champlain Grey



Shale Grey



Onyx Black

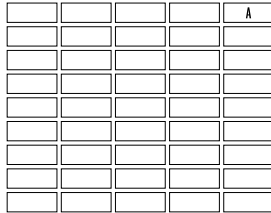




VICTORIEN 60 mm

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW



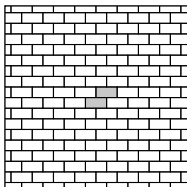
NOTES

See page 48 to 51 for more technical information.

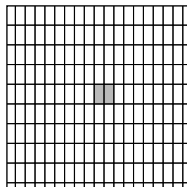
Specifications per pallet		Imperial	Metric
60 mm	Cubing	123.70 ft²	11.50 m ²
	Approx. Weight	3 481 lbs	1 579 kg
	Number of rows	11	
	Coverage per row	11.25 ft ²	1.05 m ²
	Linear coverage per row	Depth 15.87 lin. ft Length 31.74 lin. ft	4.84 lin. m 9.68 lin. m

Unit dimensions		in	mm	Units/pallet
	Height	2 3/8	60	495 units
	Width	4 1/4	108	4 units/ft ²
	Length	8 1/2	216	43.10 units/m ²

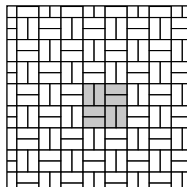
01 | Linear pattern



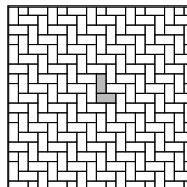
02 | Linear pattern



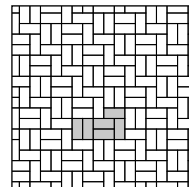
05 | Parquet pattern



06 | Herringbone pattern



07 | Herringbone pattern



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

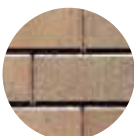
Red & Black



Chocolate Brown



Sandlewood



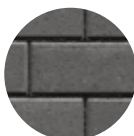
Grey



Shale Grey



Onyx Black

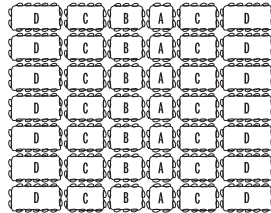




VILLAGIO

DESCRIPTION: Paver **TEXTURE:** Beveled

PALLET OVERVIEW



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

NOTES

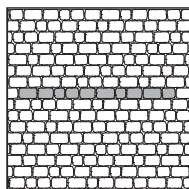
See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

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)

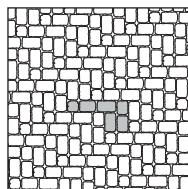
Specifications per pallet	Imperial	Metric
Cubing	117 ft²	10.88 m ²
Approx. Weight	3 029 lbs	1 374 kg
Number of rows	11	
Coverage per row	10.64 ft ²	0.99 m ²
Linear coverage per row	24.94 lin. ft	7.61 lin. m

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	

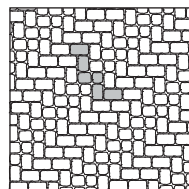
01 | Linear pattern



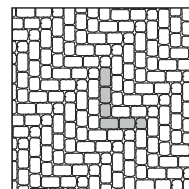
02 | Herringbone pattern



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



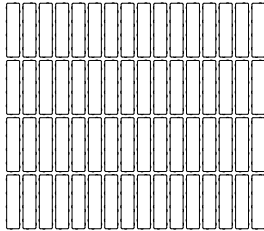


NEW

WESTMOUNT

DESCRIPTION: Paver TEXTURE: HD²+ Smooth

PALLET OVERVIEW



Residential ICI

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

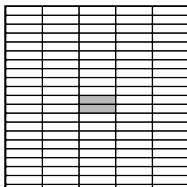


A

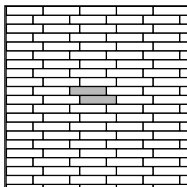


Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	512 units
Width	2 3/8	60	
Length	9 7/16	240	

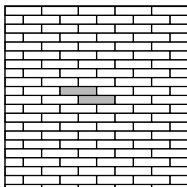
01 | Linear pattern



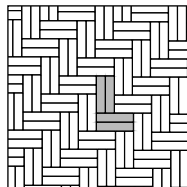
02 | Linear pattern



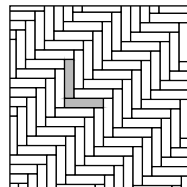
03 | Linear pattern



04 | Herringbone pattern

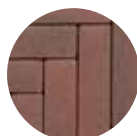


05 | Herringbone pattern



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



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	CSA A231.2
Compressive strength	50 MPa min.
De-icing salt freeze-thaw durability	Mass loss (max.): 225 g/m ² after 28 cycles, or Mass loss (max.): 500 g/m ² after 49 cycles
Dimensional tolerance	Length and Width: -1.0 mm to +2.0 mm Thickness: ± 3.0 mm

Notes: Dimensional tolerances prior to the application of architectural finishes.

INSTALLATION GUIDE

TYPICAL APPLICATION USAGE

SECTOR	TRAFFIC TYPE & APPLICATIONS	PERMEABLE PAVERS
RESIDENTIAL	  <p>1. Light traffic Cars and occasional light service trucks (ex. residential driveways)</p>	<ul style="list-style-type: none"> - Antika - Aquastorm - Blu 60 mm (6 x 13) - Blu 80 mm - Blu 80 mm (6 x 13) - Hydra - Mika - Mista Random - Pure - Travertina Raw - Valet - Victorien 60 mm permeable - Villagio
	  <p>2. Pedestrian Pedestrian only and at all times ex. patios)</p>	<ul style="list-style-type: none"> - Antika - Aquastorm - Blu 60 mm - Blu 60 mm (6 x 13) - Blu 80 mm - Blu 80 mm (6 x 13) - Hydra - Mika - Mista Random - Pure - Travertina Raw - Valet - Victorien 60 mm permeable - Villagio
ICI (Industrial, Commercial and Institutional)	  <p>3. Road traffic Cars, heavy trucks, buses (ex. boulevards, main or secondary streets, pedestrian crossings, industrial, ports and airport areas)</p>	<ul style="list-style-type: none"> - Hydra
	  <p>4. Light traffic Cars and occasional light service trucks (ex. parking lots, sidewalks)</p>	<ul style="list-style-type: none"> - Aquastorm - Hydra - Pure
	  <p>5. Pedestrian Pedestrian only and at all times, without cars, or trucks or other mobile equipment (ex. terraces, parks, pedestrian walkways)</p>	<ul style="list-style-type: none"> - Aquastorm - Blu 80 mm (6 x 13) - Hydra - Pure

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) ²	4.6	9/32" (7mm)	570 in./hr (14 475 mm/hr)
BLU 60 mm	3.0	9/32" (7mm)	570 in./hr (14 475 mm/hr)
BLU 80 mm (6x13) ²	4.6	9/32" (7mm)	570 in./hr (14 475 mm/hr)
BLU 80 mm	3.0	9/32" (7mm)	570 in./hr (14 475 mm/hr)
HYDRA	8.3	1/2" (13mm)	837 in./hr (21 267 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)
VICTORIEN 60 mm Permeable ¹	9.6	3/8" (10mm)	909 in./hr (23 085 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.

OTHER PERMEABLE POSSIBILITIES



**BLU 60 mm
SLAB**

(page 24 to 28)



**AQUASTORM
PAVER**

(page 97)



**ANTIKA
PAVER**

(page 53)



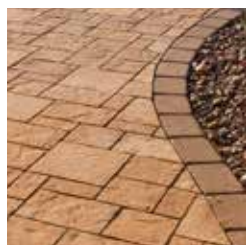
**BLU 80 mm
PAVER**

(page 54 to 57)



**MIKA
PAVER**

(page 78)



**MISTA RANDOM
PAVER**

(page 80)



**TRAVERTINA RAW
PAVER**

(page 85)



**VALET
PAVER**

(page 86)

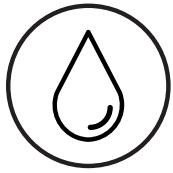


**VILLAGIO
PAVER**

(page 88)

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% ($\frac{1}{4}$ " 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 $\pm 2 \frac{1}{2}"$ (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 $\pm 1"$ (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 $\pm 3 \frac{3}{8}"$ (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 $\frac{1}{3}$ 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 $\pm \frac{3}{8}"$ (10 mm) over 10' (3 m).

APPROXIMATE MEASURES

Clean stone quantity in kg (lb) to cover an area of 1 m² (1 pi²) to fill between joints.
It is recommended to always start with a small area.

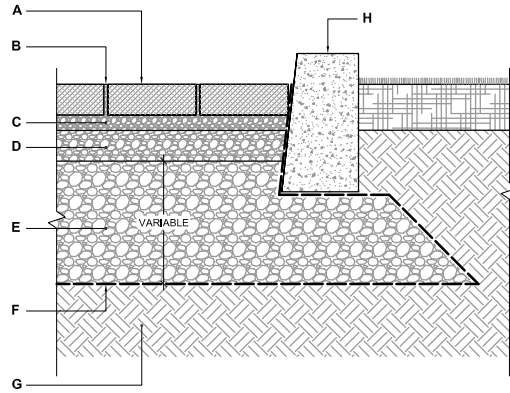
PRODUCTS	JOINT FILL MATERIAL	(lbs/sq. ft)	(kg/sq. m)
Antika	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	1.9	9.3
Aquastorm	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	12.2	59.5
Blu 60 mm	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	0.6	3.0
Blu 60 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	0.9	4.2
Blu 80 mm	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	0.8	4.0
Blu 80 mm (6x13)	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	1.2	5.7
Hydra	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	2.9	14.4
Mika	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	2.5	12.2
Mista random	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	1.0	5.0
Pure	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	1.4	7.0
Travertina Raw	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	2.5	12.2
Valet	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	1.3	6.2
Victorien 60 mm permeable	ASTM No. 9 (CSA 2.5 - 5) ($\frac{1}{8}"$)	1.7	8.5
Villagio	ASTM No. 8 (CSA 2.5 - 10) ($\frac{1}{4}"$)	2.1	10.2

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.

INSTALLATION GUIDE

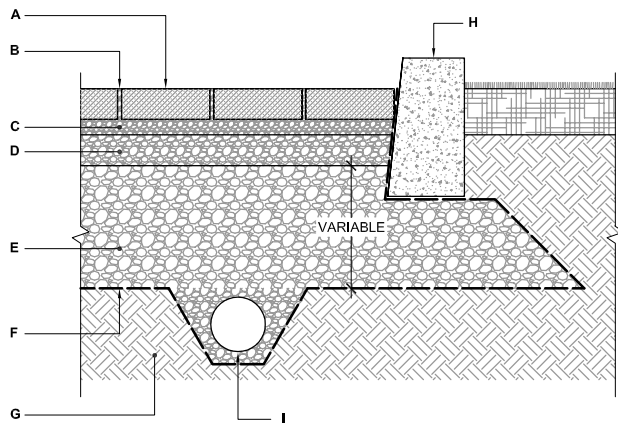
SEGMENTAL PERMEABLE PAVEMENT



- A.** PERMEABLE PAVER FROM TECO-BLOC
- B.** JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C.** BEDDING COURSE 1 ½" to 2" (40 to 50 mm) ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D.** BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E.** SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F.** GEOTEXTILE
- G.** SUBGRADE
- H.** CONCRETE EDGE

SEGMENTAL PERMEABLE PAVEMENT – FULL INFILTRATION

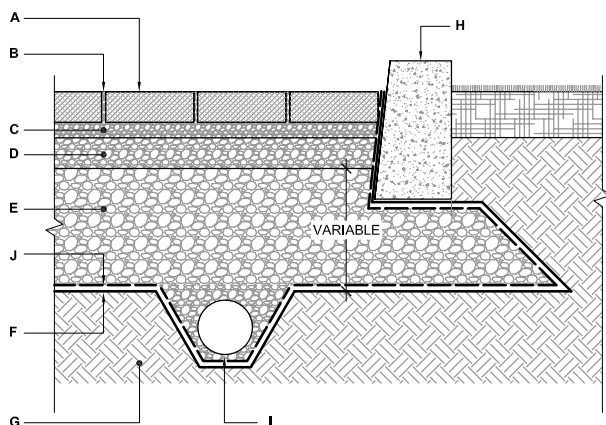
Typical cross section



- A.** PERMEABLE PAVER FROM TECO-BLOC
- B.** JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C.** BEDDING COURSE 1 ½" to 2" (40 to 50 mm) ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D.** BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E.** SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F.** GEOTEXTILE
- G.** SUBGRADE
- H.** CONCRETE EDGE
- I.** PERFORATED DRAIN CONNECTED TO DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – PARTIAL INFILTRATION

Typical cross section



- A.** PERMEABLE PAVER FROM TECO-BLOC
- B.** JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C.** BEDDING COURSE 1 ½" to 2" (40 to 50 mm) ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D.** BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E.** SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F.** IMPERMEABLE MEMBRANE
- G.** SUBGRADE
- H.** CONCRETE EDGE
- I.** PERFORATED DRAIN CONNECTED TO DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – NO INFILTRATION

Typical cross section

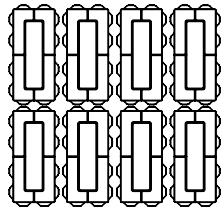
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



AQUASTORM

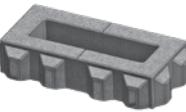
DESCRIPTION: Paver **TEXTURE:** Smooth

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



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

NOTES

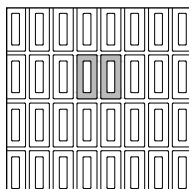
See page 48 to 51 for more technical information. When used in a permeable pavement application, see page 90 to 96 for more technical information.

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

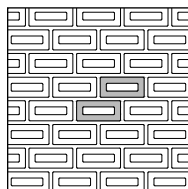
WINTER CONDITIONS

De-icing salts should never be used on grass as salt will damage it. The snowblower blade should be set to leave a 3/4 to 1 1/2 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.

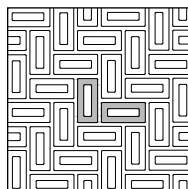
01 | Linear pattern



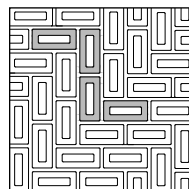
02 | Linear pattern



03 | Herringbone pattern



04 | Herringbone pattern



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

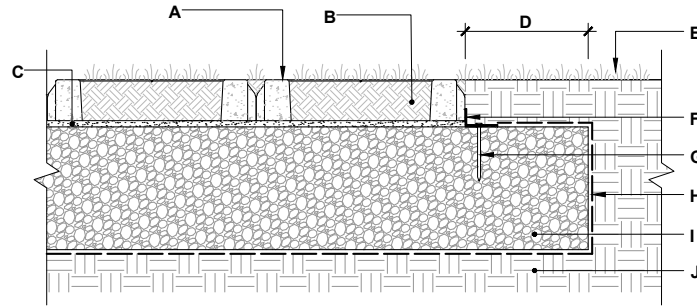


INSTALLATION GUIDE

AQUASTORM - CAVITY INFILL

GRASS INFILL

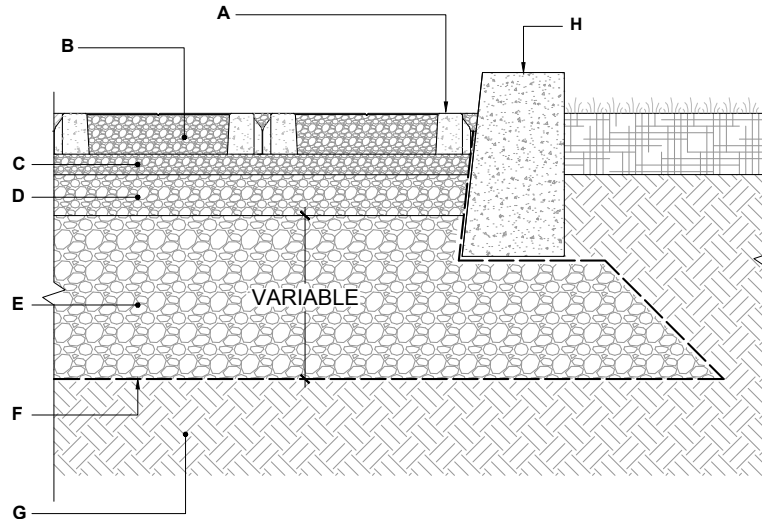
Cross section



- A. TECHO-BLOC AQUASTORM PRECAST CONCRETE PAVER
3¹⁵/₁₆" (100 mm) THICK.
- B. TOPSOIL INFILL (CAVITIES AND JOINTS)
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- E. LAWN
- F. PLASTIC EDGE
- G. NAIL
- H. GEOTEXTILE
- I. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- J. SUBGRADE

AGGREGATE INFILL

Cross section



- A. TECHO-BLOC AQUASTORM PERMEABLE PAVER
3¹⁵/₁₆" (100 mm) THICK.
- B. JOINTS AND CAVITIES FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1 1/2" TO 2" (40 TO 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. GEOTEXTILE
- G. SUBGRADE
- H. CONCRETE EDGE

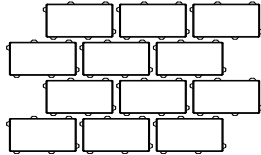


NEW

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 90 to 96 for more technical information.

JOINT WIDTH: 1/2" (13 mm)
% OF SURFACE OPENING: 8.3 %
INFILTRATION RATE: 837 in./hr
 (21 267 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

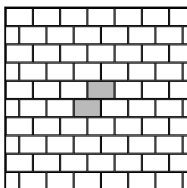


A



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

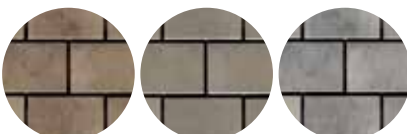


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown

Grey

Shale Grey

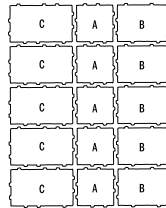




PURE

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

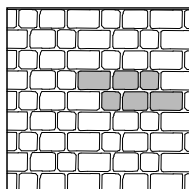
See page 90 to 96 for more technical information.

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

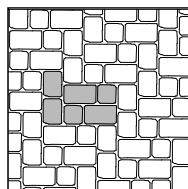
Specifications per pallet	Imperial	Metric
Cubing	90 ft²	8.36 m²
Approx. Weight	3 175 lbs	1 440 kg
Number of rows	8	
Coverage per row	11.25 ft²	1.05 m²
Linear coverage per row	15 lin. ft	4.57 lin. m

	Unit dimensions	in	mm	Units/pallet
 A	Height	3 1/8	80	40 units
	Width	9	229	
	Length	9	229	
 B	Height	3 1/8	80	40 units
	Width	9	229	
	Length	12	305	
 C	Height	3 1/8	80	40 units
	Width	9	229	
	Length	15	381	

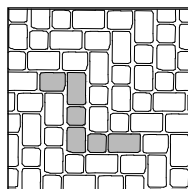
01 | Linear pattern



02 | Herringbone pattern

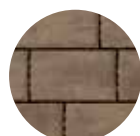


03 | Modified Herringbone pattern



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

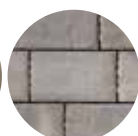
Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

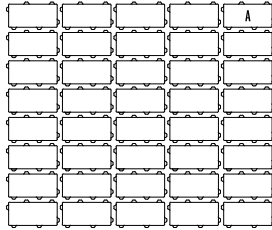




VICTORIEN 60 mm PERMEABLE

DESCRIPTION: Paver **TEXTURE:** Smooth

PALLET OVERVIEW



Permeable pavers let storm water drain away and help manage excess runoff. They also smooth the path to obtaining LEED® certification.

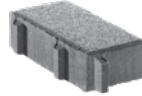
NOTES

See page 90 to 96 for more technical information.

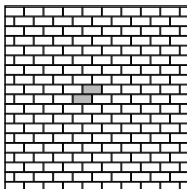
JOINT WIDTH: 3/8" (10 mm)
% OF SURFACE OPENING: 9.6 %
INFILTRATION RATE: 909 in./hr
 (23 085 mm/hr)

Specifications per pallet		Imperial	Metric
60 mm PERMEABLE	Cubing	110.22 ft²	10.24 m²
	Approx. Weight	2 888 lbs	1 310 kg
	Number of rows	11	
	Coverage per row	10.02 ft²	0.93 m²
	Linear coverage per row	Depth	4.84 lin. m
		Length	9.68 lin. m

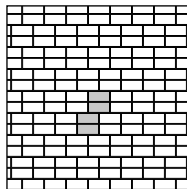
Unit dimensions		in	mm	Units/pallet
	Height	2 3/8	60	440 units
	Width	4 1/4	108	
	Length	8 1/2	216	



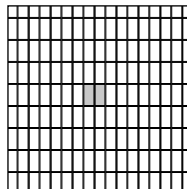
01 | Linear pattern



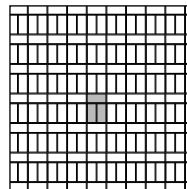
02 | Linear pattern



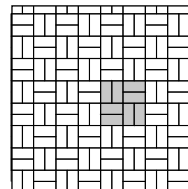
03 | Linear pattern



04 | Linear pattern



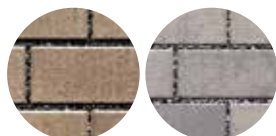
05 | Parquet pattern



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

Chestnut Brown

Shale Grey



WALLS

WALLS, PILLARS & PLANTERS



PHYSICAL AND GEOMETRICAL CHARACTERISTICS - DRY-CAST UNITS

CHARACTERISTICS		ASTM C 1372	TECHO-BLOC
Compressive strength		3 000 psi [21 MPa] min.	5 050 psi [35 MPa] min.
Durability to freeze thaw cycles Mass loss		after 100 cycles 1 % (max.) or,	after 100 cycles 1 % (max.) or,
		after 150 cycles 1,5 % (max.)	after 150 cycles 1,5 % (max.)
Water absorption		13 lb/ft ³ [208 kg/m ³] max	9 lb/ft ³ [144 kg/m ³] max.
Dimension tolerance ¹	length	± 1/8" [3 mm]	± 1/8" [3 mm]
	width	± 1/8" [3 mm]	± 1/8" [3 mm]
	height	± 1/8" [3 mm]	± 1/8" [1.5 mm]

PHYSICAL AND GEOMETRICAL CHARACTERISTICS - STONEDGE COLLECTION WALL UNITS

CHARACTERISTICS	
Compressive strength ¹	30 MPa min.
Water/cement ratio	0.45 max.
Air content ²	6 to 9%
Dimension tolerance ³	Height: ± 5 mm (3/16") Length and width: ± 13 mm (1/2")

Notes : 1. Test method CSA A23.2-9C

2. Test method CSA A23.2-4C

3. Dimension tolerance is not applicable to architectural surfaces.

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	¼	8	720	28	0.0	0.0	0	6	540	21	350	14	2.3	7'-6"
BRANDON 180 mm	4.4	14.0	⅜	4	720	28	0.0	0.0	0	3	540	21	350	14	2.3	7'-6"
ESCALA 3.5"	4.5	7.0	¼	8	720	28	0.0	0.0	0	7	630	25	350	14	2.3	7'-6"
FASCIA	5.3	14.0	⅜	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	⅜	4	813	32	-	-	-	-	-	-	300	12	3.0	9'-10"
MANCHESTER	-	-	-	-	-	-	0.0	0.0	0	5	500	20	400	16	-	-
MINI-CRETA 3"	5.3	7.0	¼	10	750	30	0.0	0.0	0	8	600	24	350	14	2.1	7'-0"
MINI-CRETA 6"	5.3	14.0	⅜	5	750	30	0.0	0.0	0	4	600	24	350	14	2.1	7'-0"
PRESCOTT 2.25"	4.5	4.5	⅜ 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	⅜	7	800	32	0.0	0.0	0	6	686	27	350	14	1.6	5'-2"
RAFFINATO 90 mm	4.4	7.0	¼	8	720	28	0.0	0.0	0	6	540	21	350	14	2.6	8'-6"
RAFFINATO 180 mm	4.4	14.0	⅜ 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	1⅜ 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	⅜ ₁₆	SEE SKYSCRAPER DESIGN CHART			300	12	INSIDE CURVE 5.5 18'-0" OUTSIDE CURVE 11.0 36'-1"	
SUPREMA	4.5	16.0	⅝ ₈	4	813	32	0.0	0.0	0	4	813	32	300	12	1.8	6'-0"
TRAVERTINA RAW	5.2	14.0	⅜ 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.

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 1/2"	1080	42 1/2"
Brandon 180 mm [6]	750	29 7/16"	1538	61"	1788	70"	930	36 1/2"	1080	42 1/2"
Fascia Wall Collection	600	23 1/2"	-	-	-	-	750	29 7/16"	900	35 7/16"
Graphix	600	23 1/2"	-	-	-	-	1050	41 1/4"	1200	47 1/4"
G Force	-	-	-	-	-	-	1069	42"	1219	48"
Manchester [7]	750	29 7/16"	-	-	-	-	1050	41 1/4"	1200	47 1/4"
Mini-Creta 3" [6]	750	29 7/16"	907	36"	1158	46"	1050	41 1/4"	1200	47 1/4"
Mini-Creta 6" [6]	750	29 7/16"	907	36"	1158	46"	1050	41 1/4"	1200	47 1/4"
Prescott 2.25" [6]	650	25 1/2"	863	34"	1114	44"	993	39"	1143	45"
Prescott 4.5" [6]	650	25 1/2"	863	34"	1114	44"	993	39"	1143	45"
Raffinato 90 mm [6]	750	29 7/16"	2259	89"	2510	99"	930	36 1/2"	1080	42 1/2"
Raffinato 180 mm [6]	750	29 7/16"	2259	89"	2510	99"	930	36 1/2"	1080	42 1/2"
Röcka	612	24"	-	-	-	-	-	-	-	-
Semma [6]	750	29 7/16"	519	20"	807	32"	1050	41 1/4"	1200	47 1/4"
Suprema	-	-	-	-	-	-	-	-	-	-
Travertina Raw [6]	612	24"	-	-	-	-	917	36"	1067	42"

- [1] Vertical Retaining walls are constructed without any face inclination or setback.
- [2] Heights 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] Freestanding Maximum Height of 750 mm (29 7/16") is based on a block depth of 300 mm (11 13/16")

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

Block Product: _____

Wall length: _____

☐ Setback position
☐ Near vertical position

Maximum wall height
(above ground) _____

Vertical Rise _____

Horizontal Run _____

Vertical Rise _____

Horizontal Run _____

*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

Backslope: Horizontal run _____ Vertical rise _____

☐ Setback position
☐ Near vertical position

Platform between walls:

Horizontal run _____ Vertical rise _____

☐ Setback position
☐ Near vertical position

Upper wall:

Block product _____

Wall height (above ground) _____

Wall length _____

Lower wall:

Block product _____

Wall height (above ground) _____

Wall length _____

Base slope: Horizontal run _____ Vertical rise _____

4. TYPE OF SOIL

If a soil report is available, attach it to this request.

Retained Soil

☐ Good soil conditions
(Gravel or sand & gravel mixes)

☐ Medium soil conditions
(Fine sands & silty sands)

☐ Poor soil conditions
(Low plasticity silts & clays)

☐ Other: _____

Geogrid (if required) _____

Reinforced soil (if required)

☐ Good soil conditions
(Gravel or sand & gravel mixes)

☐ Medium soil conditions
(Fine sands & silty sands)

☐ Poor soil conditions
(Low plasticity silts & clays)

☐ Other: _____

Foundation Soil

☐ Good soil conditions
(Gravel or sand & gravel mixes)

☐ Medium soil conditions
(Fine sands & silty sands)

☐ Poor soil conditions
(Low plasticity silts & clays)

☐ Other: _____

5. SURCHARGE ABOVE WALL

TYPE OF SURCHARGE (LOAD)	DISTANCE TO WALL
<input type="checkbox"/> ROUTE	_____
<input type="checkbox"/> PARKING / ALLEY FOR HEAVY VEHICLES	_____
<input type="checkbox"/> PARKING / ALLEY FOR LIGHT VEHICLES	_____
<input type="checkbox"/> SWIMMING POOL	_____
<input type="checkbox"/> PAVED SURFACE	_____
<input type="checkbox"/> LAWN	_____
<input type="checkbox"/> OTHER	_____

COMPATIBILITY CHART

Walls & Pillars

Caps

	Architectural cap	Brandon cap	Bullnose	Bullnose Grande	Escala 3,5"	Graphix cap	Pacific cap	Piedimonte	Piedimonte 28" x 28"	Portofino	Prima 14"	Raffinato 60 mm	Raffinato 90 mm	Travertina Raw 12" x 30"	Travertina Raw 14" x 28"	York	York 28" x 28"	York 32" x 32"
Borealis (does not require a cap)																		
Brandon 90 & 180 mm		x	x	x			x	x		x		x	x	x	x	x		
Brandon 90 & 180 mm pillar									x			x	x		x		x	
Escala 3,5"	x	x	x	x	x	x	x	x		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		
Fascia Wall Collection - double-sided										x								
G-Force						x		x				x	x	x	x			
Graphix						x		x				x	x	x	x			
Manchester	x							x		x	x	x	x		x	x		
Mini-Creta Collection	x	x	x	x			x	x		x	x	x	x	x	x	x		
Mini-Creta Pillar 24" Collection									x			x	x		x		x	
Prescott Collection								x		x		x	x	x	x	x		
Prescott Pillar Collection									x			x	x		x		x	
Raffinato Collection				x		x		x				x	x	x	x			
Raffinato Pillar Collection									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
Skyscraper												x	x					
Suprema						x		x		x	x	x	x		x	x		
Travertina Raw	x	x	x	x		x	x	x		x	x	x	x	x	x	x		
Travertina Raw pillar												x	x		x		x	

NOTE: The combinations shown in this chart are not complete. Other possible combinations exist.

Applications

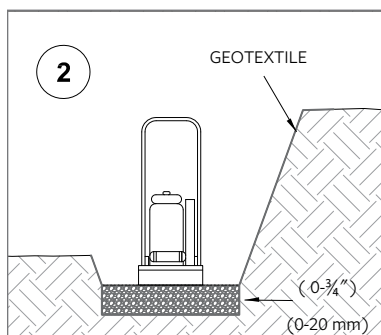
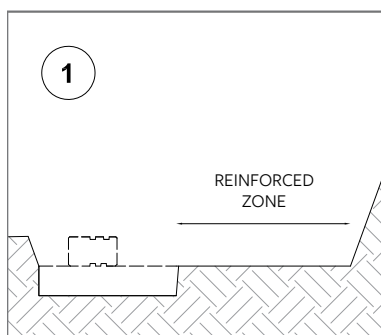
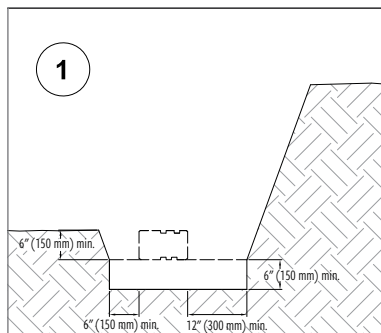
Caps

	Architectural cap	Bali Travertina Raw	Brandon cap	Bullnose	Bullnose Grande	Escala 3,5"	Graphix cap	Pacific cap	Piedimonte 12" x 30"	Piedimonte 14" x 30"	Piedimonte 28" x 28"	Portofino	Prima 14"	Raffinato 60 mm	Raffinato 90 mm	Travertina Raw 12" x 30"	Travertina Raw 14" x 28"	York wall caps 16", 32", 48"	York 14" x 48"	York 24" x 36"	York 28" x 28"	York 32" x 32"	Blu 45 mm	Venetian
Step	x		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						
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	x	x					
Counter top									x	x							x				x	x		
Pillar									x		x					x								

INSTALLATION GUIDE

RETAINING WALLS

Installation outline



01 EXCAVATION

- Check the location of existing structures and utilities before starting the excavation.
- Dig out a trench. Its depth should be calculated according to the thickness of the leveling pad and the burial depth of the wall.
- 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.
- 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

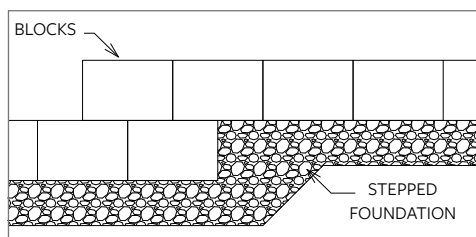
The excavation must also take into account the length of geogrid.

02 FOUNDATION

- 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.
- Next, spread the 0-3/4" (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.

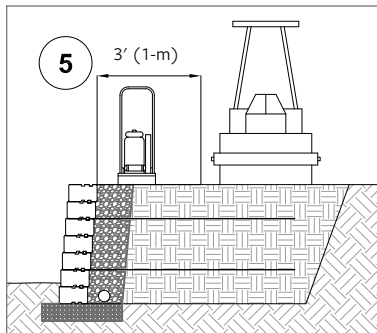
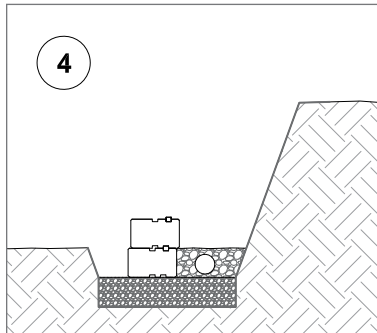
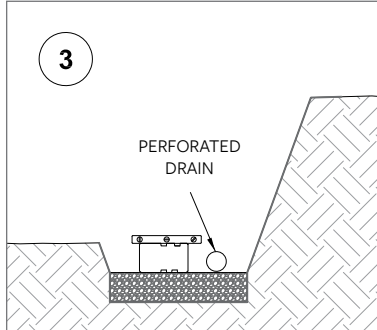
NOTE FOR STEPPED FOUNDATION

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.



INSTALLATION GUIDE

RETAINING WALLS



03 BUILDING THE FIRST COURSE

- 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.
- Place the exposed surfaces of the blocks side by side. There must be no space between the exposed faces of adjacent blocks.
- 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 $\frac{3}{4}$ " (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

- 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.
- Lay the subsequent courses, backfilling at the rear of the wall every 8" (200 mm maximum, using the same method outlined in step 4.
- 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

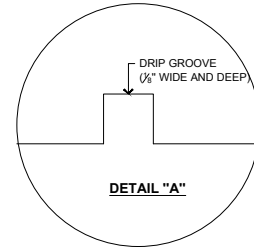
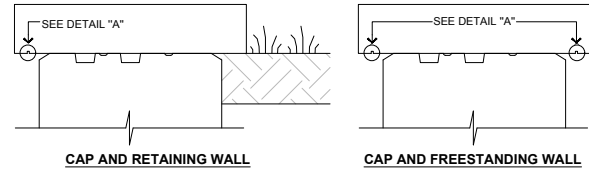
Position the course of coping stones (if applicable) or the final course of blocks to complete the wall. The coping stones or final course of blocks must be fixed to the subjacent blocks using concrete adhesive and there must be no space between the blocks.

INSTALLATION GUIDE

RETAINING WALLS

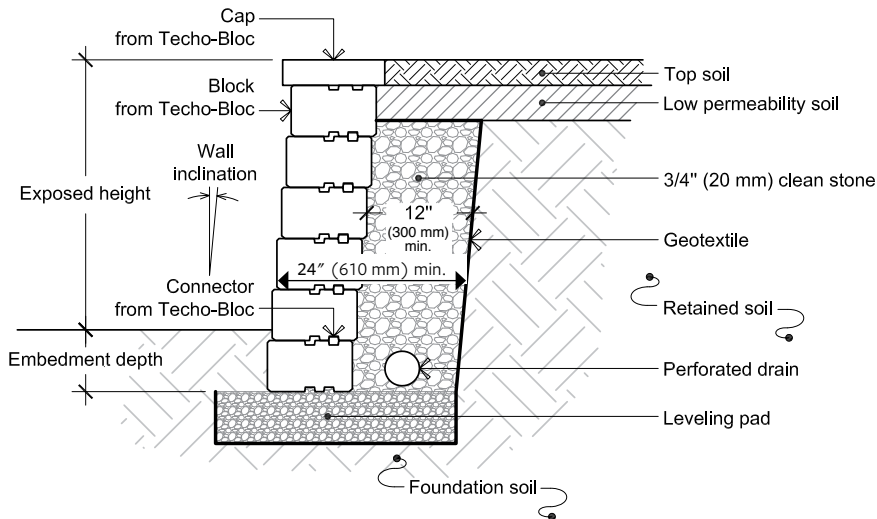
CAP UNIT – DRIP GROOVE

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.



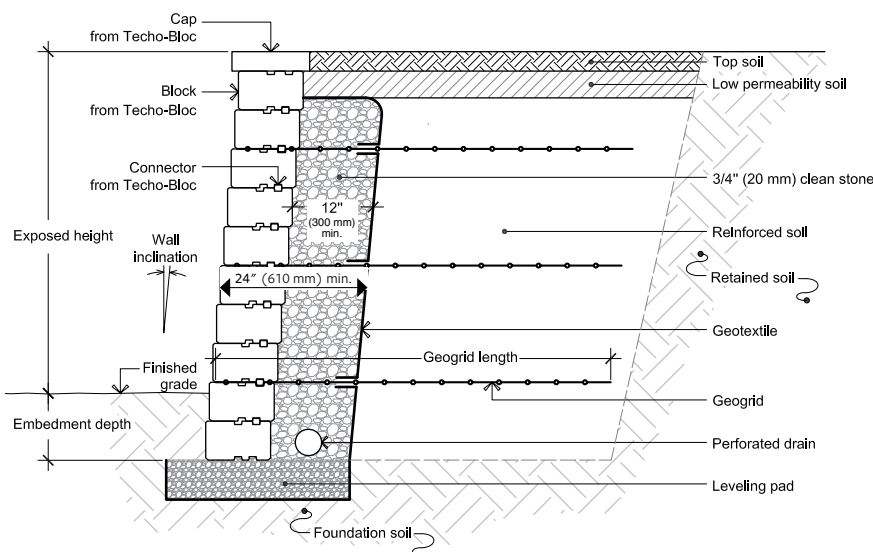
GRAVITY WALL

Typical cross section



GEOGRID REINFORCED WALL

Typical cross section

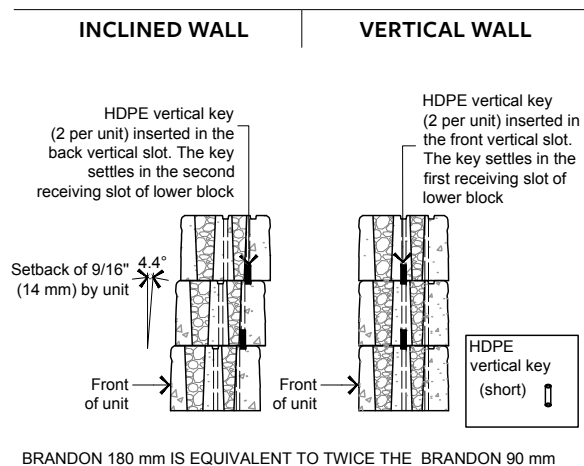


INSTALLATION GUIDE

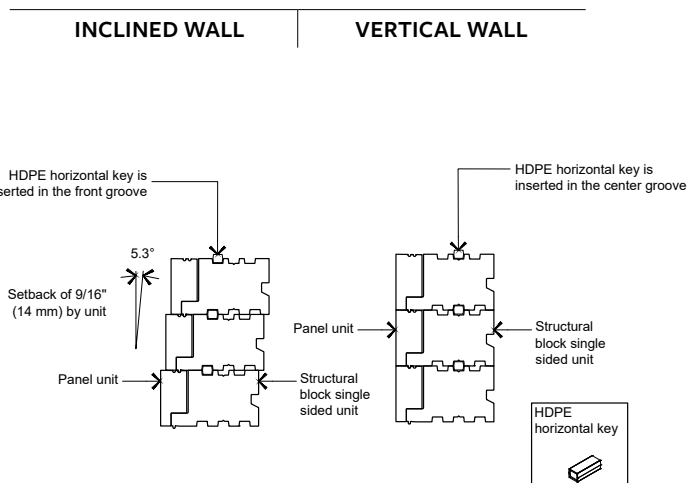
RETAINING WALLS

Anchoring systems

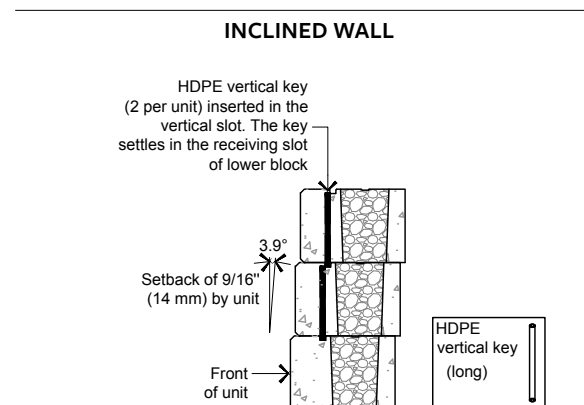
BRANDON 180 mm



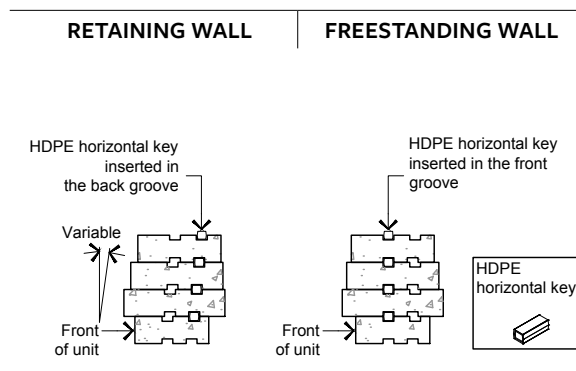
FASCIA WALL COLLECTION



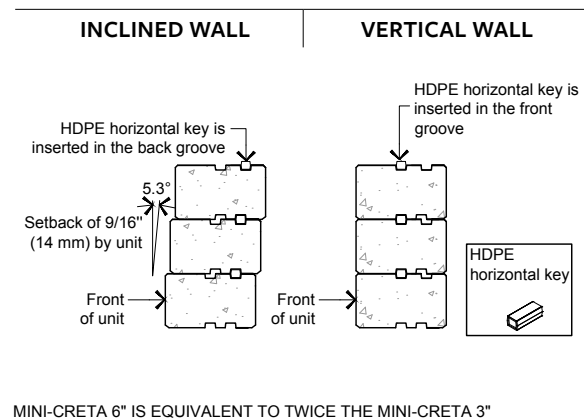
G-FORCE



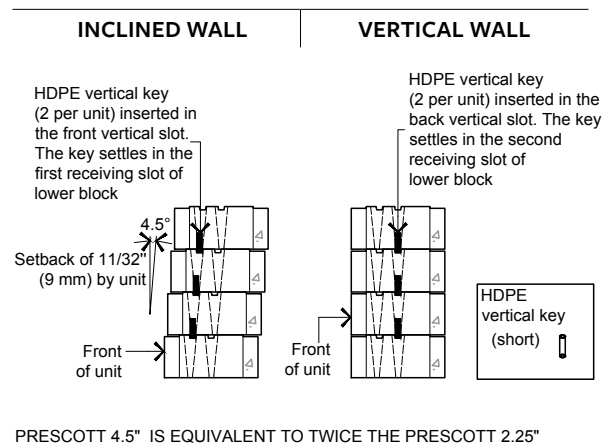
GRAPHIX



MINI-CRETA 6"



PRESCOTT 4.5"

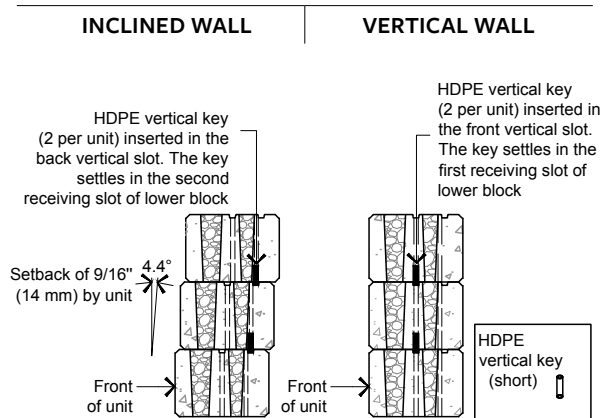


INSTALLATION GUIDE

RETAINING WALLS

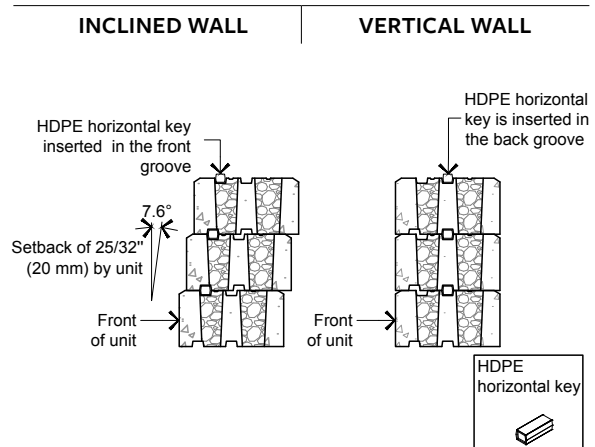
Anchoring systems

RAFFINATO 180 mm

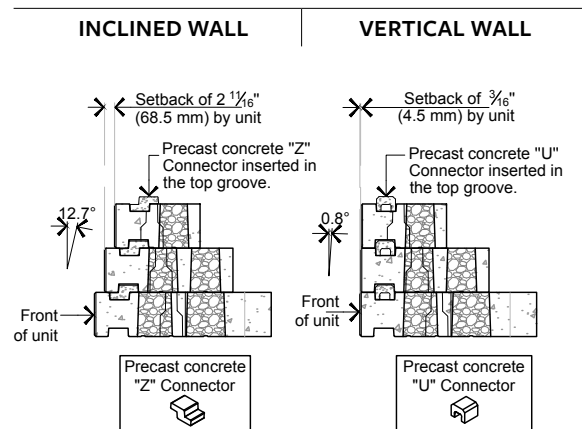


RAFFINATO 180 mm IS EQUIVALENT TO TWICE THE RAFFINATO 90 mm

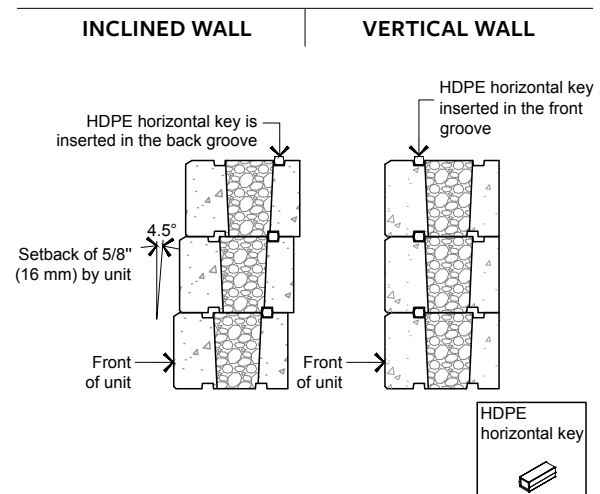
SEMMA



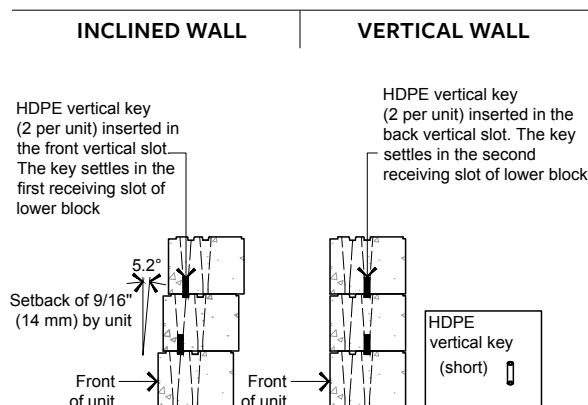
SKYSCRAPER



SUPREMA



TRAVERTINA RAW



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

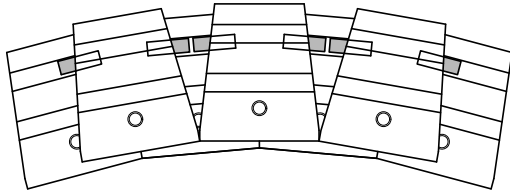
INSTALLATION GUIDE

RETAINING WALLS

Anchoring system | Connectors in curved wall application

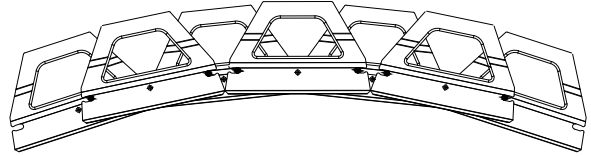
HDPE Horizontal Key

When creating internal curves and the HDPE horizontal keys are in the back groove, two connectors must be installed on each block as illustrated.



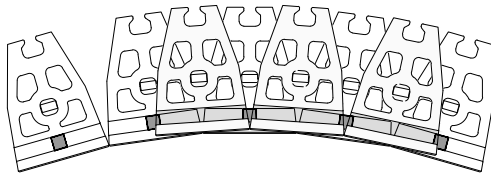
HDPE Vertical Key

When creating curves using HDPE vertical keys adjust placement in field to achieve desired curve.



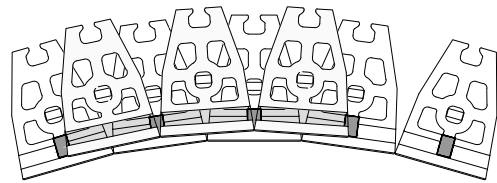
Precast concrete "U" Connector

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

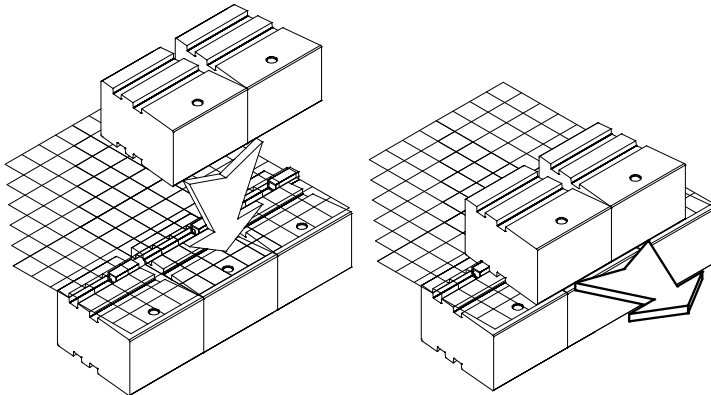
When creating internal curves with the precast concrete "Z" connector, place one connector on top center of each lower course block and adjust placement in field to achieve desired curve.



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.

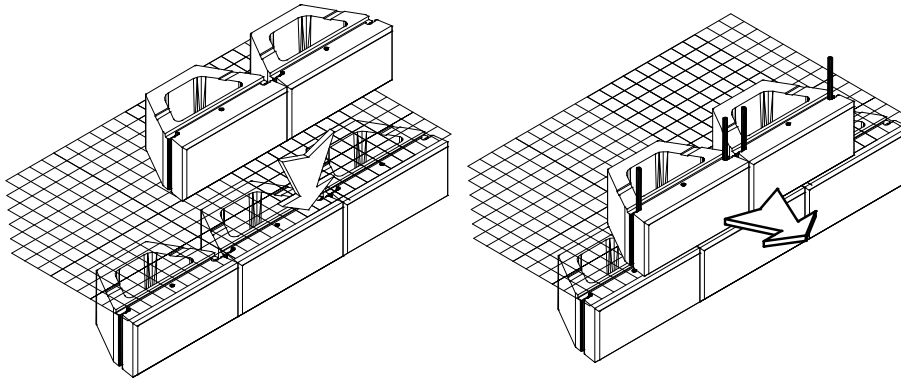


INSTALLATION GUIDE

RETAINING WALLS

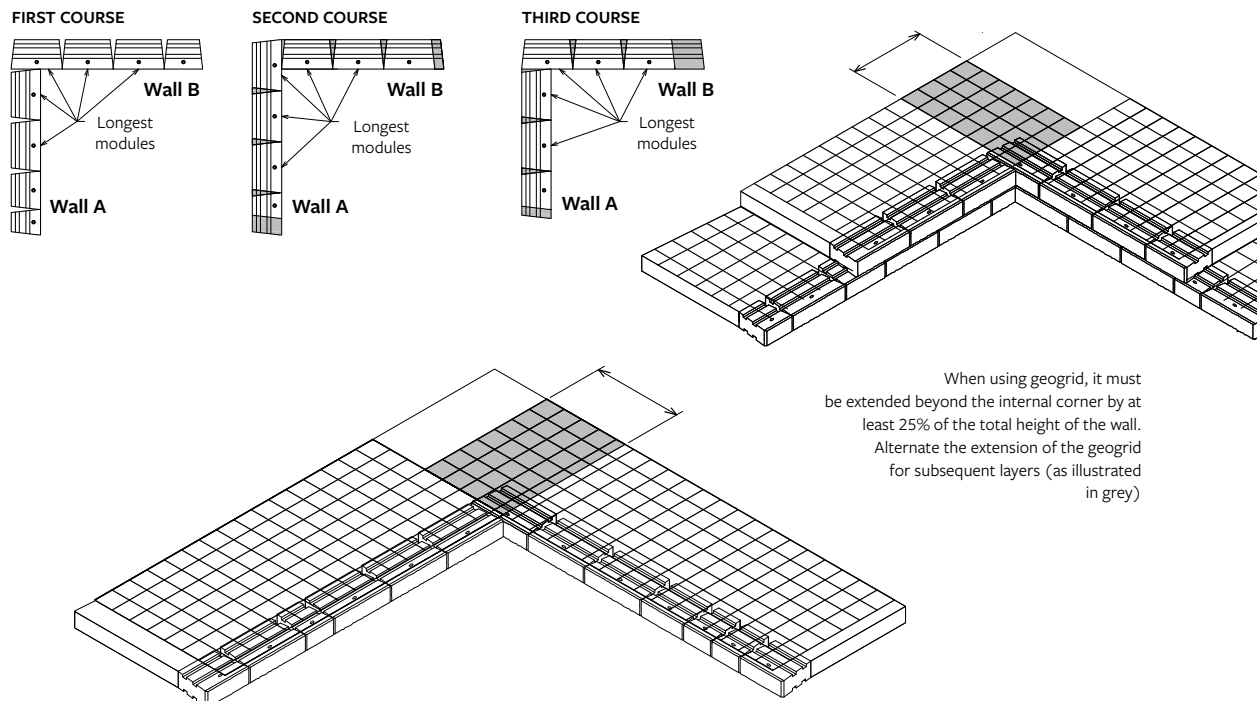
HDPE Vertical Key

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.



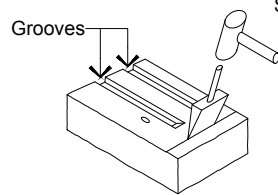
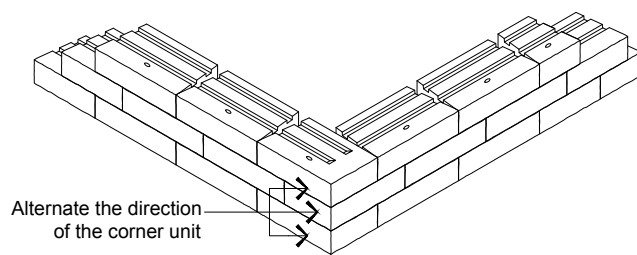
When using geogrid, it must be extended beyond the internal corner by at least 25% of the total height of the wall. Alternate the extension of the geogrid for subsequent layers (as illustrated in grey)

INSTALLATION GUIDE

RETAINING WALLS

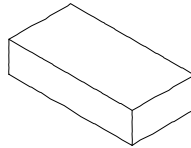
External corner

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.

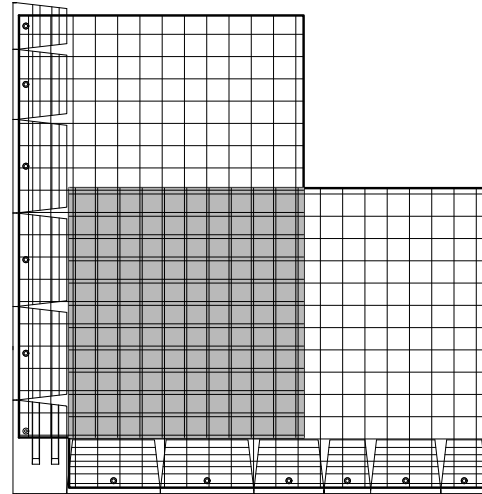


Split down the units at the location with no grooves

or



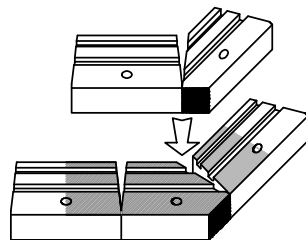
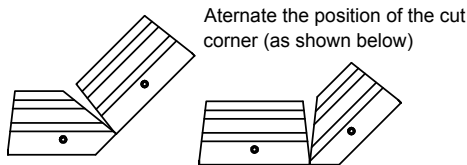
Use corner unit with finish already available on the side



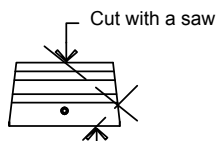
When overlapping two geogrids in the same layer (as illustrated by shaded area) allow at least 3" (75 mm) of backfill in between the overlapping section

Oblique corner

The longer modules should be used to build an oblique external corner. Alternatively, corner can be replaced by a curve.

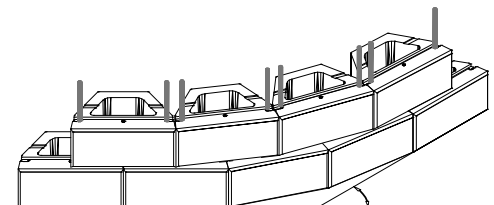
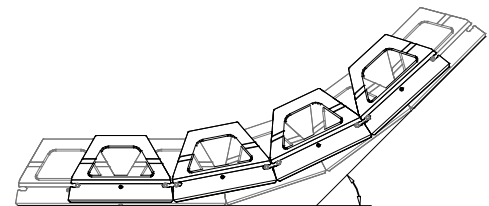


Alternate the corner unit for each subsequent course (as shown above)



Cut with a saw

Cut with a chisel or splitter for a texture face or with saw for a smooth face.



Note: Cut face finish may differ from original face finish

Note: Adjust placement in field to achieve desired angle

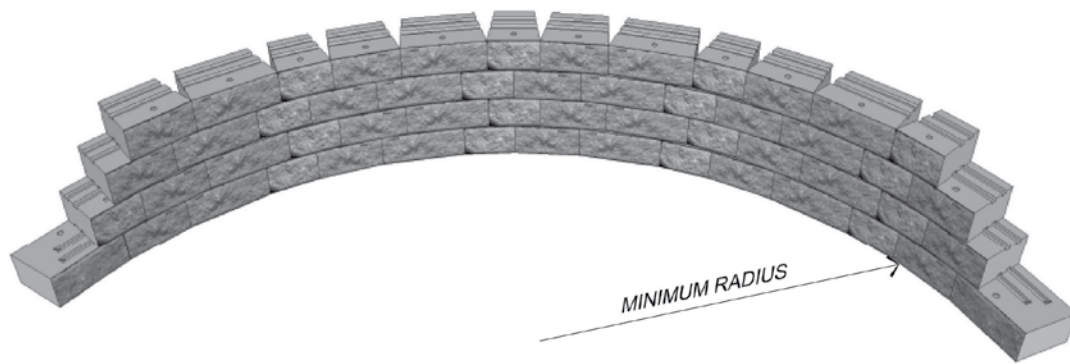
INSTALLATION GUIDE

RETAINING WALLS

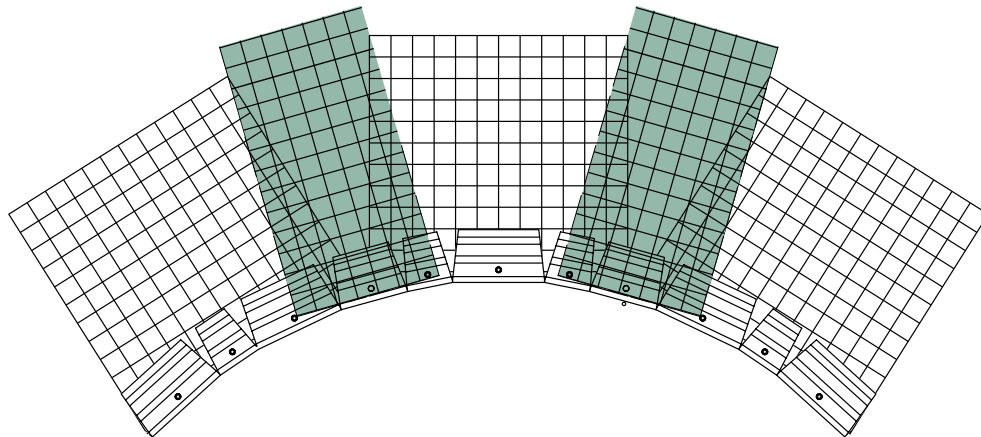
Internal curve

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).

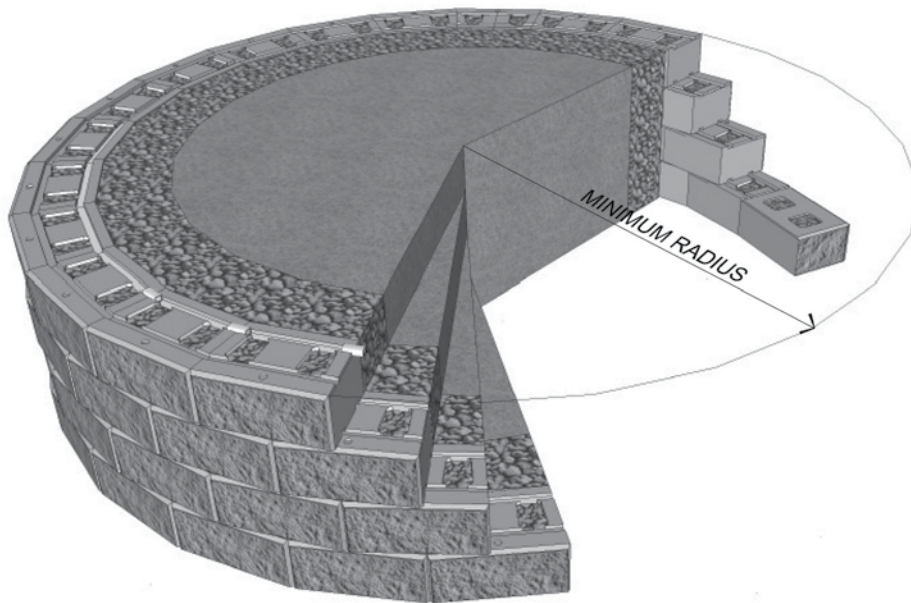


INSTALLATION GUIDE

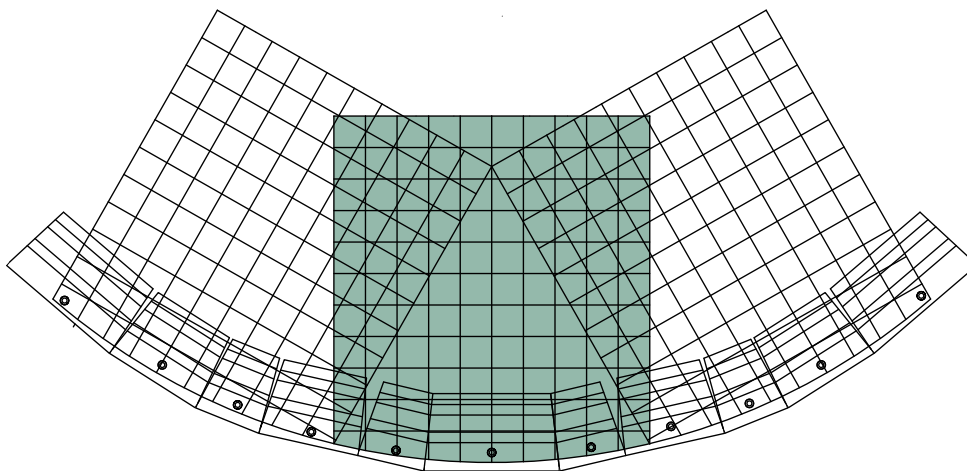
RETAINING WALLS

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.

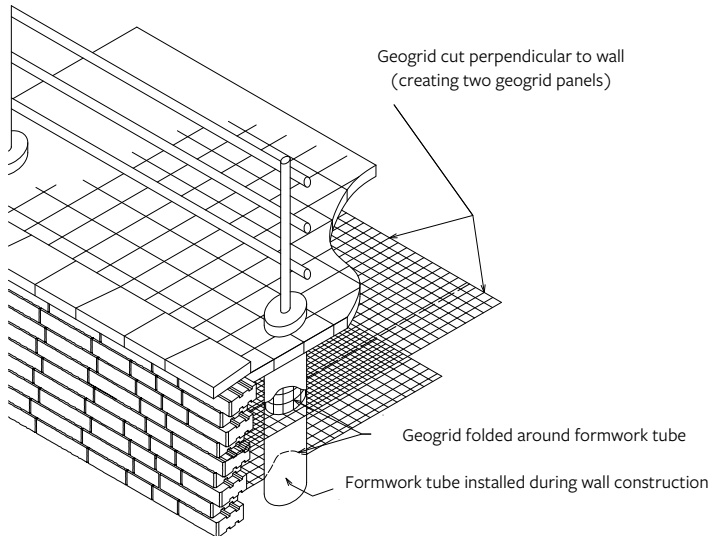


INSTALLATION GUIDE

RETAINING WALLS

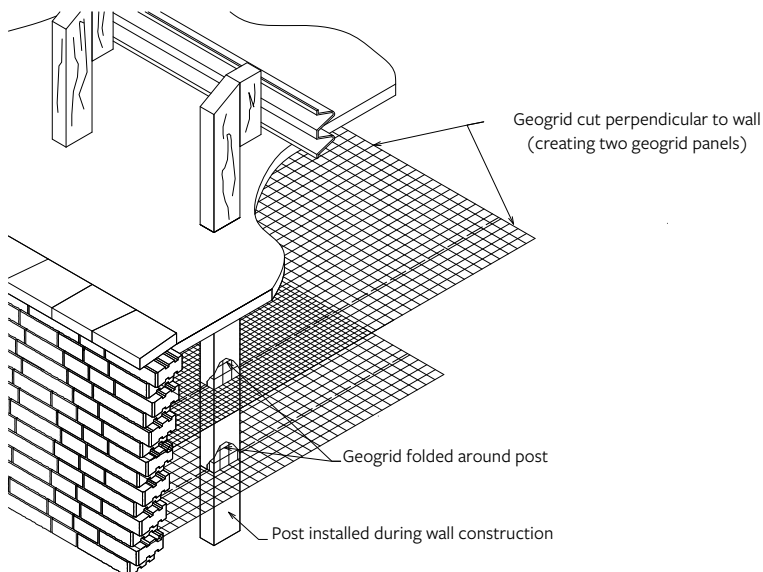
Fencing

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.

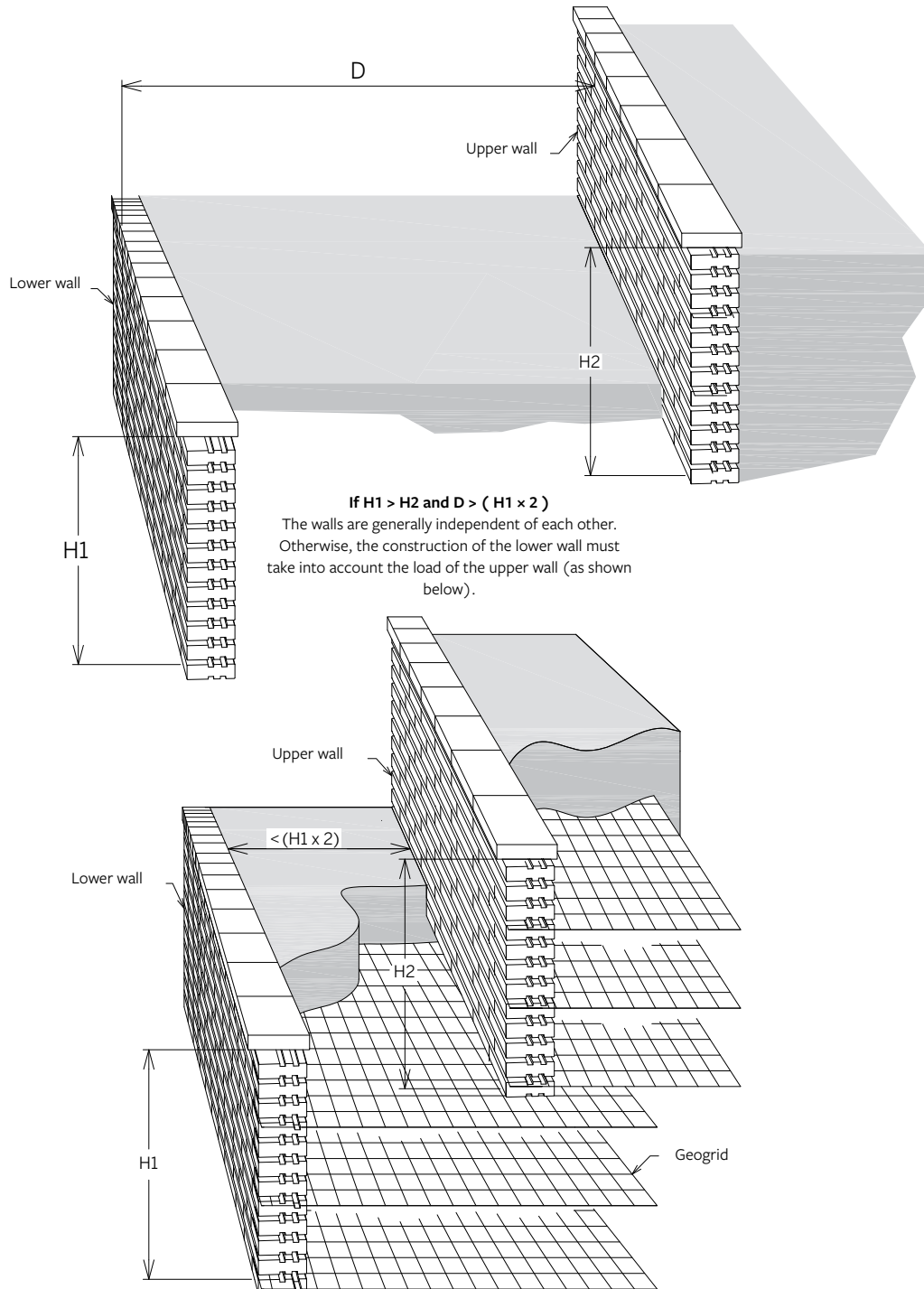


INSTALLATION GUIDE

RETAINING WALLS

Tiered Wall

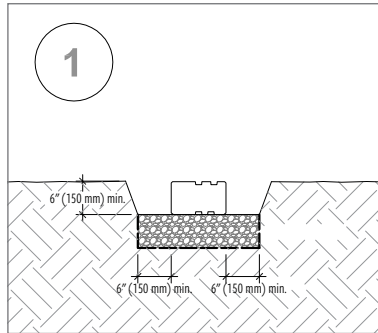
Although tiered walls look appealing, it is important to take into account the additional load the upper wall applies on the lower wall. If the distance between the walls is at least twice the height of the lower wall, the walls are generally independent of each other. However, if this distance is less the lower wall must be built to take account of the load of the upper wall and geogrids may be required.



INSTALLATION GUIDE

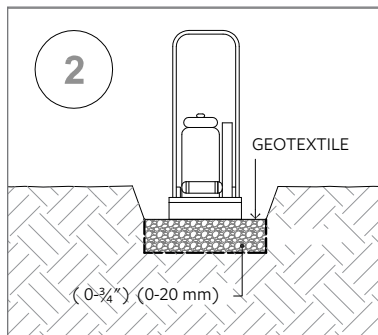
FREESTANDING WALLS

Installation Outline



01 EXCAVATION

- Check the location of existing structures and utilities before starting the excavation.
- 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).
- 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.
- In areas where unstable soils or one particularly affected by freeze-thaw cycles, a thicker compacted base may be necessary.
- The foundation soil should be checked to make sure it is firm, level and capable of supporting the freestanding wall.

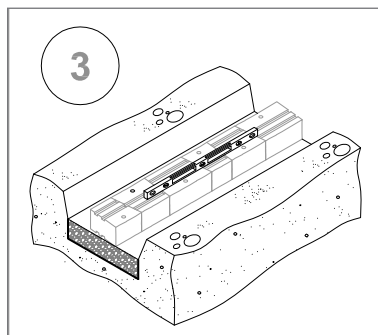


02 FOUNDATION

- Cover the excavated area with a geotextile. Create a leveling pad of compacted aggregate base material. The pad should be composed of 0- $\frac{3}{4}$ " (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.



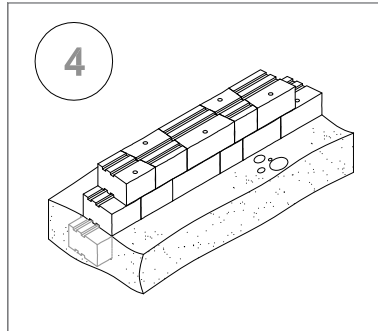
03 BUILDING THE FIRST COURSE

- 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.
- 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.
- For tapered units, alternate front and back faces to obtain straight walls.

INSTALLATION GUIDE

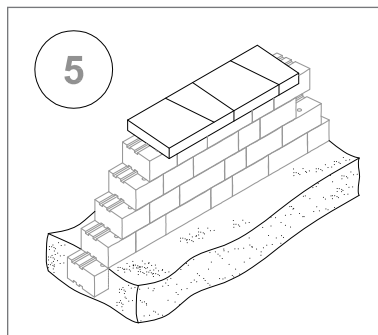
FREESTANDING WALLS

Installation Outline



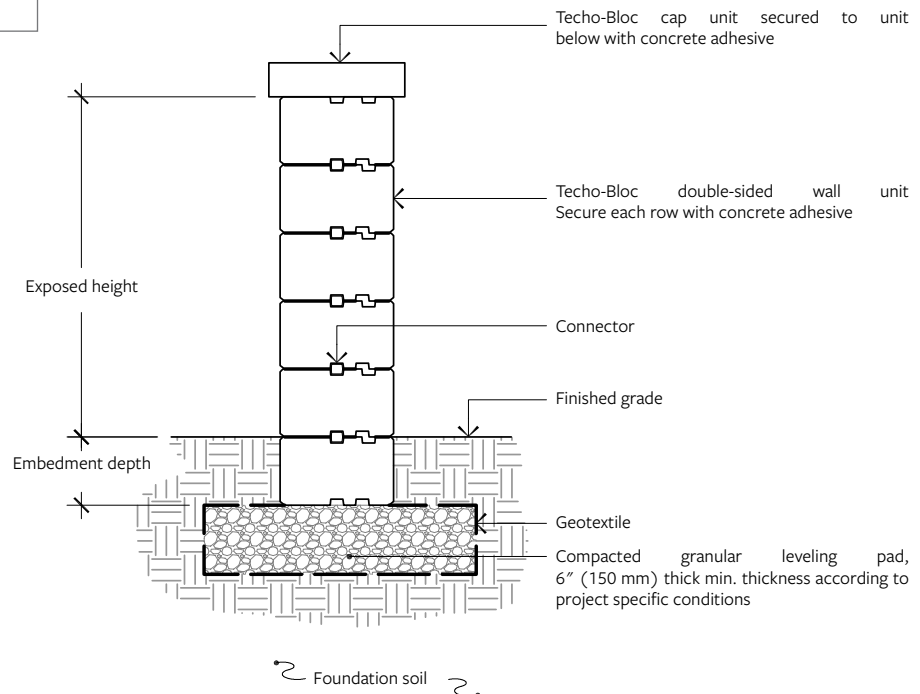
04 SUBSEQUENT COURSES

- 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 $\frac{3}{4}$ " (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

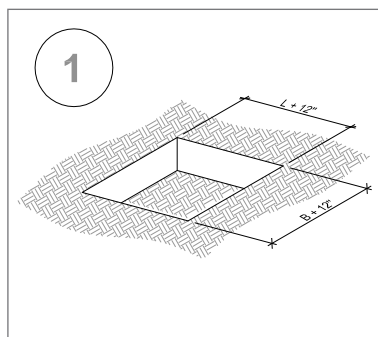
General Note

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.

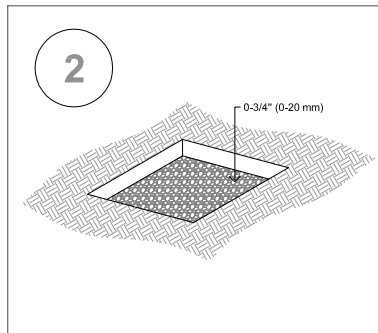
If you are planning to build a pillar with a planter, make sure to install a geotextile membrane inside the pillar before filling the cavity with planting soil.

Installation Outline



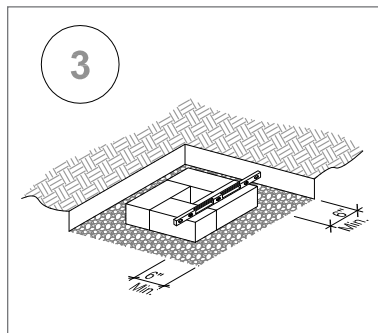
01 EXCAVATION

- 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).



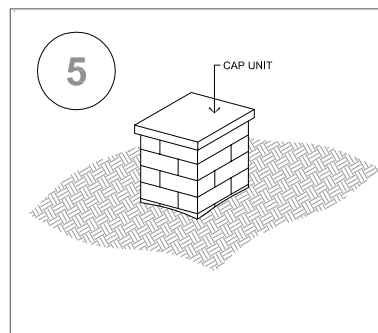
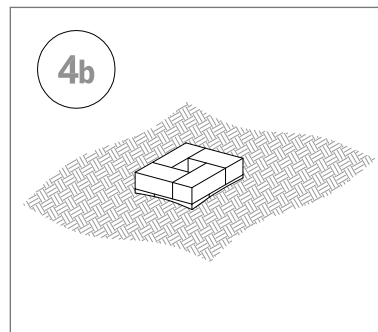
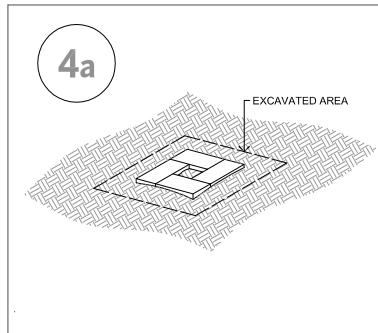
03 BUILDING THE FIRST COURSE

- 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.

INSTALLATION GUIDE

PILLARS

Installation outline

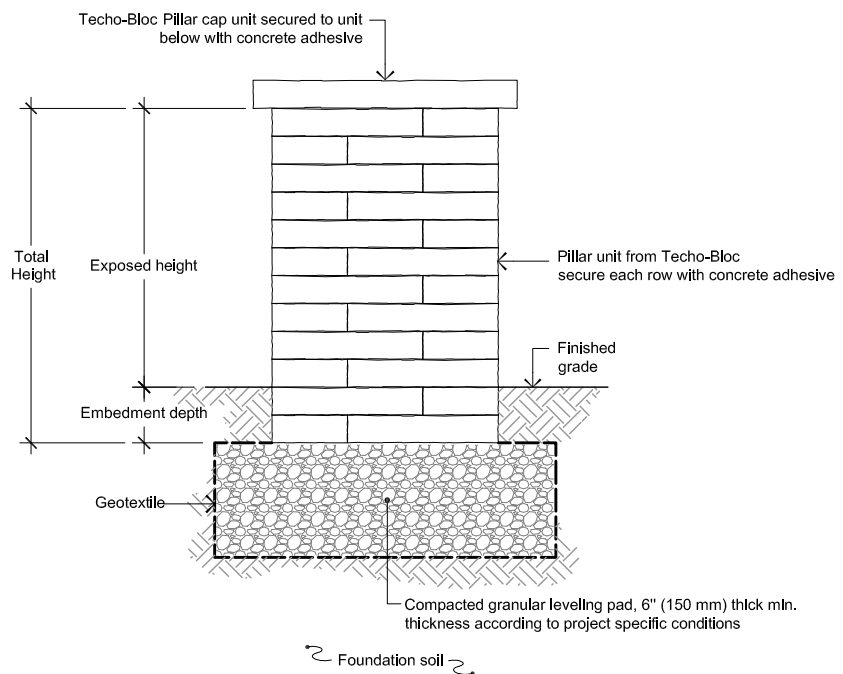


04 SUBSEQUENT COURSES

- Clean the top of each block before laying the next course.
- Stagger joints from one row to the next.
- Glue all modules at each row with a concrete adhesive for securing.
- Backfill the excavated area surrounding the pillar.
- Continue building to desired and permissible height.

05 CROWNING

- 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: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	32 ft²	2.97 m ²
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 ft ²	0.74 m ²
Coverage per unit	2 ft ²	0.19 m ²
Linear coverage per unit	4 lin. ft	1.22 lin. m

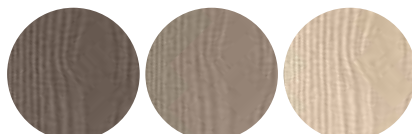


Unit dimensions	in	mm	Units/pallet
Height	6	152	16 units
Depth	8	203	
Length	48	1 219	

Smoked Pine

Hazelnut Brandy

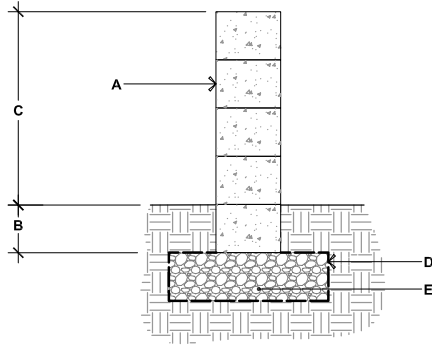
Sauvignon Oak



INSTALLATION GUIDE

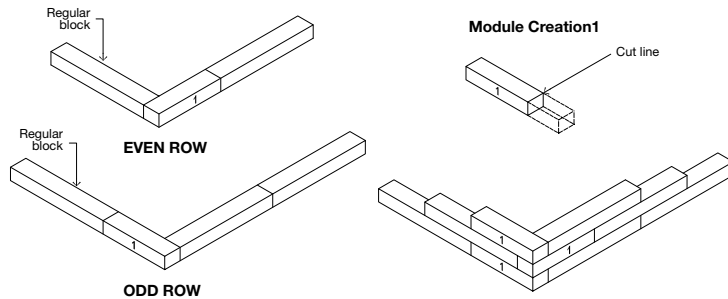
FREESTANDING WALLS- BOREALIS

BOREALIS



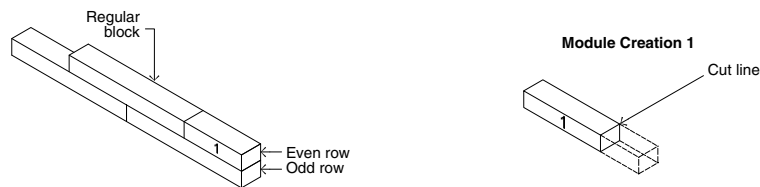
- A.** BOREALIS DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE
- B.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- C.** 24" (612 mm) MAX.
- D.** GEOTEXTILE
- E.** COMPACTED GRANULAR LEVELING PAD, 6" (150 mm) THICK MIN. THICKNESS
ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL



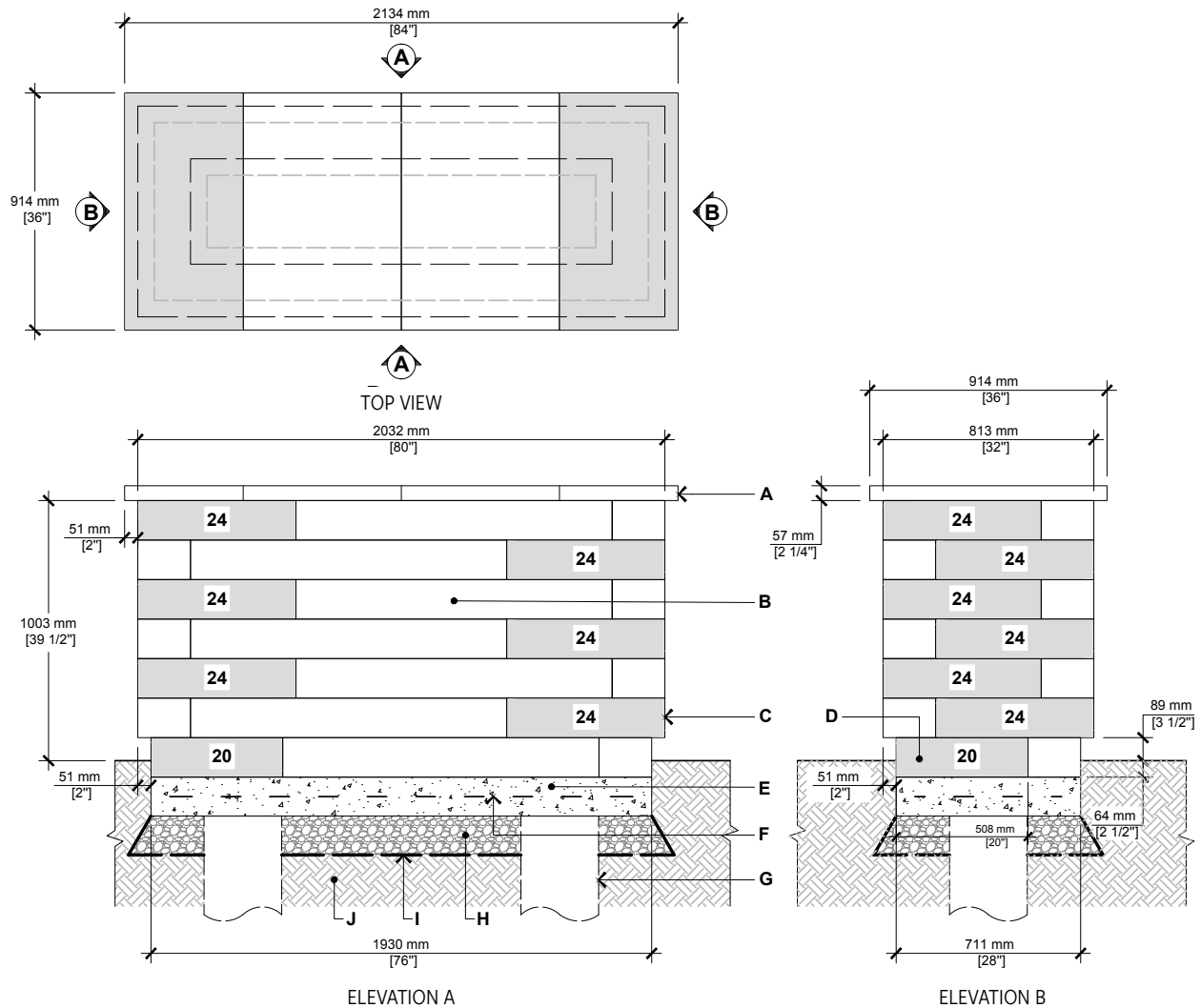
1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



INSTALLATION GUIDE

GRILL ISLAND - BOREALIS



- A.** YORK COUNTER TOP 24" X 36" X 2 1/4" (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" x 36" x 2 1/4": **4**
- Borealis wall unit: **28**

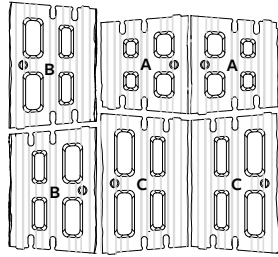
NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant 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.



BRANDON 90 mm

DESCRIPTION: Double-sided wall **TEXTURE:** Slate

PALLET OVERVIEW



COMPATIBLE CAPS

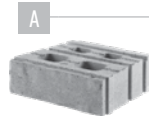
See page 106 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	20.44 ft²	1.90 m ²
	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 ft ²	0.19 m ²
Linear coverage per row	6.92 lin. ft	2.11 lin. m



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

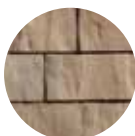


Height	3 ⁹ / ₁₆	90	20 units
Depth	9 ¹³ / ₁₆	250	
Length 1	15 ¹⁵ / ₁₆	405	
Length 2	14 ³ / ₈	365	

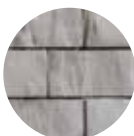
Chestnut Brown



Sandlewood



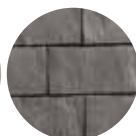
Champlain Grey



Shale Grey



Onyx Black

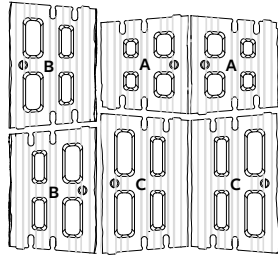




BRANDON 180 mm

DESCRIPTION: Double-sided wall **TEXTURE:** Slate

PALLET OVERVIEW



COMPATIBLE CAPS

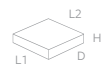
See page 106 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	20.44 ft²	1.90 m ²
	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 ft ²	0.38 m ²
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

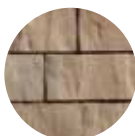


Height	7 ¹ / ₁₆	180	10 units
Depth	9 ¹³ / ₁₆	250	
Length 1	15 ¹⁵ / ₁₆	405	
Length 2	14 ³ / ₈	365	

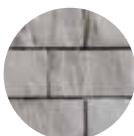
Chestnut Brown



Sandlewood



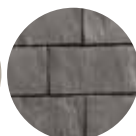
Champlain Grey



Shale Grey



Onyx Black

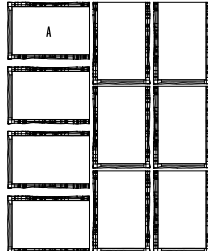




BRANDON 90 & 180 mm

DESCRIPTION: Pillars TEXTURE: Slate

PILLAR PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 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 $\frac{7}{16}$	900 mm



A



Unit dimensions	in	mm	Units/pallet
Height	3 $\frac{7}{16}$	90	40 units
Depth	9 $\frac{13}{16}$	250	
Length	14 $\frac{3}{16}$	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 $\frac{7}{16}$	900 mm



A

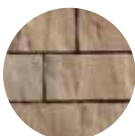


Unit dimensions	in	mm	Units/pallet
Height	7 $\frac{1}{16}$	180	20 units
Depth	9 $\frac{13}{16}$	250	
Length	14 $\frac{3}{16}$	360	

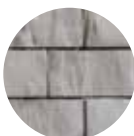
Chestnut Brown



Sandlewood



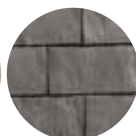
Champlain Grey



Shale Grey

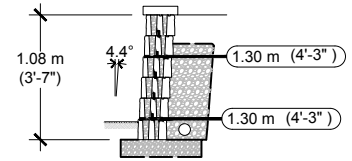
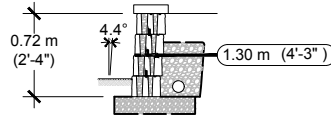
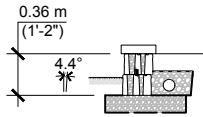


Onyx Black

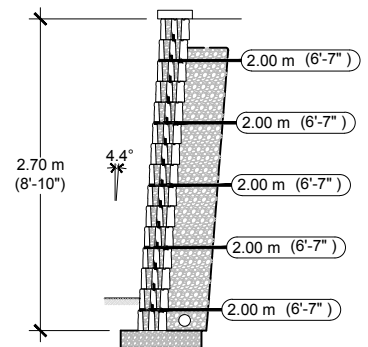
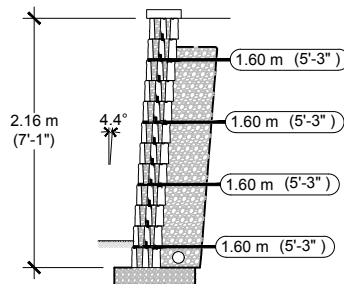
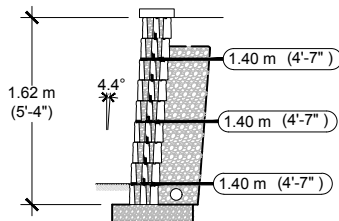


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT



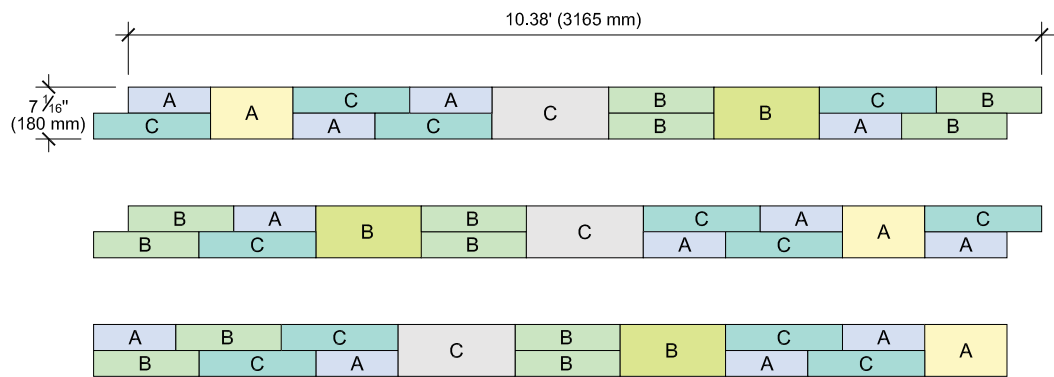
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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

67% of the surface - Brandon 90 mm

4

4

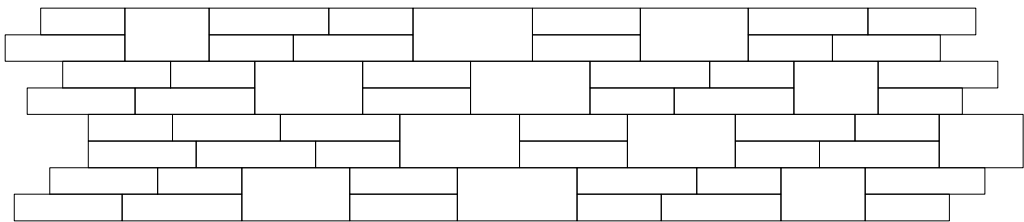
4

33% of the surface - Brandon 180 mm

1

1

1

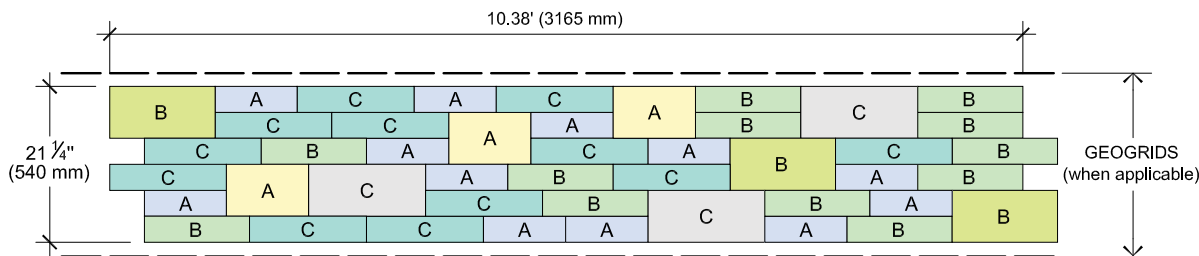


INSTALLATION GUIDE

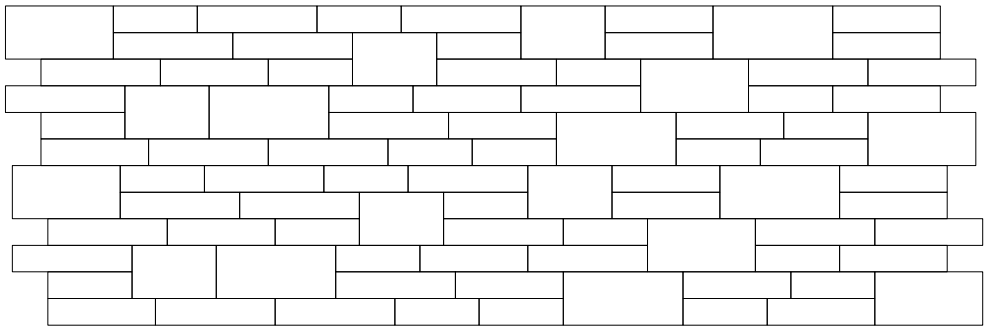
RETAINING WALLS - BRANDON 90 & 180 mm

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		
	A	B	C
BRANDON			
67% of the surface - Brandon 90 mm	12	12	12
33% of the surface - Brandon 180 mm	3	3	3

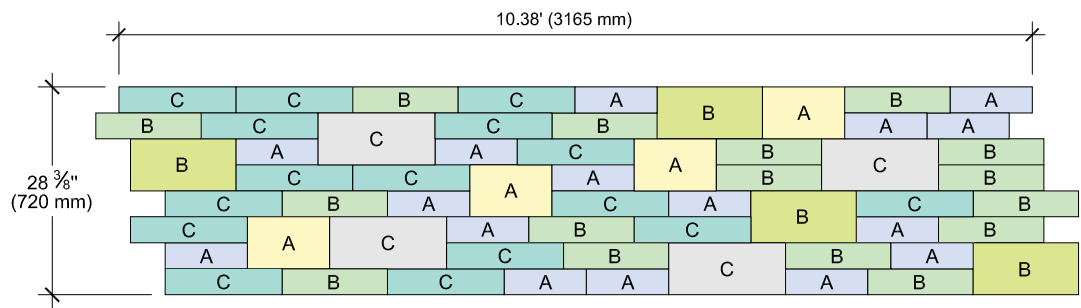


INSTALLATION GUIDE

RETAINING WALLS - BRANDON 90 & 180 mm

4-Row Pattern | Laying Patterns

The 4-row pattern is 10.38' (3.165 m) long and 28 3/8" (720 mm) high. **This pattern should be used only where the geogrid is not required.**



NUMBER OF BLOCKS REQUIRED

MODULE

BRANDON

67% of the surface - Brandon 90 mm

16

16

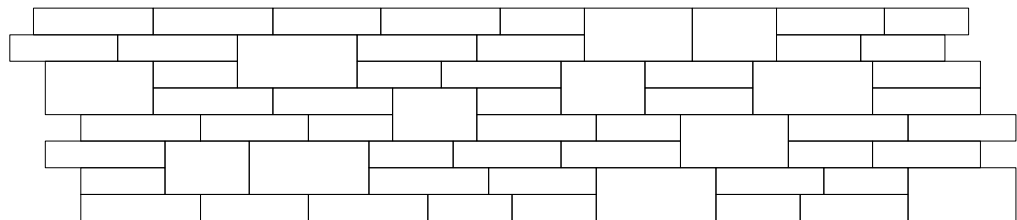
16

33% of the surface - Brandon 180 mm

4

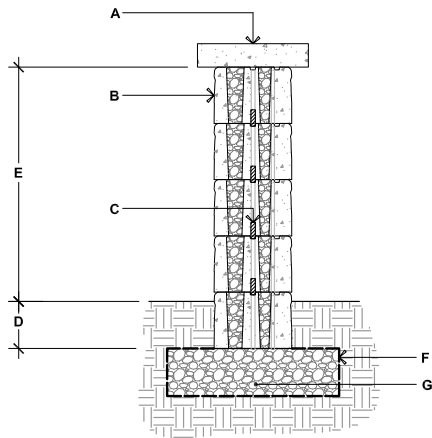
4

4



INSTALLATION GUIDE

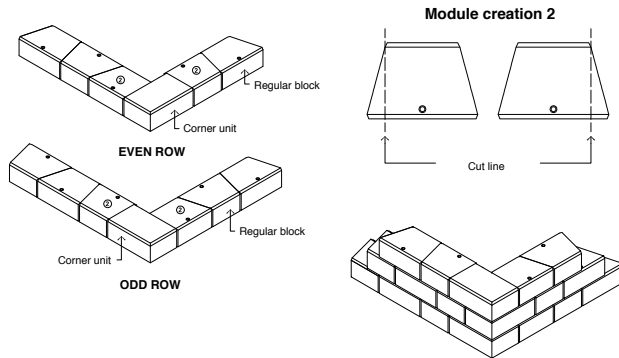
FREESTANDING WALLS - BRANDON 90 & 180 mm



BRANDON 90 mm & 180 mm

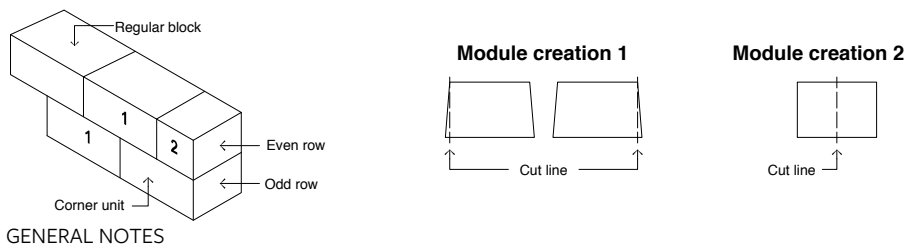
- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** BRANDON 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** CONNECTOR
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 29 7/16" (750 mm) MAX.
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR LEVELING 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 a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



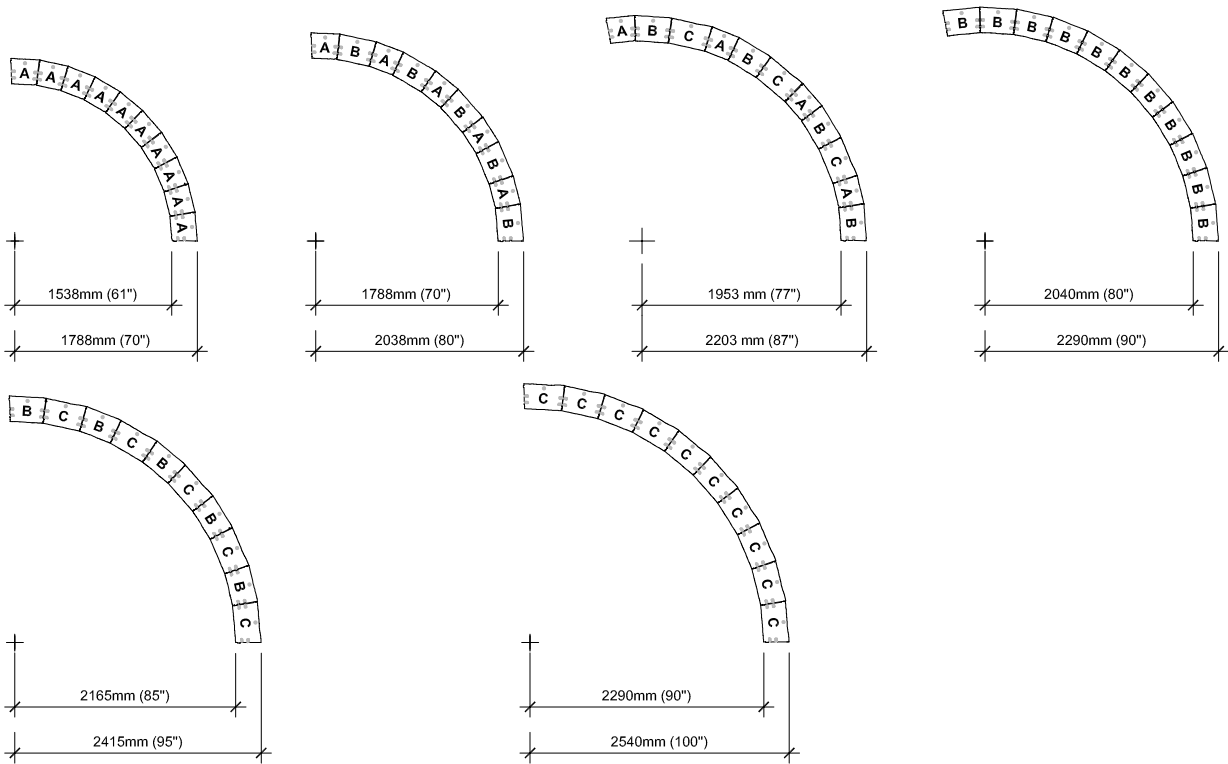
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete 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

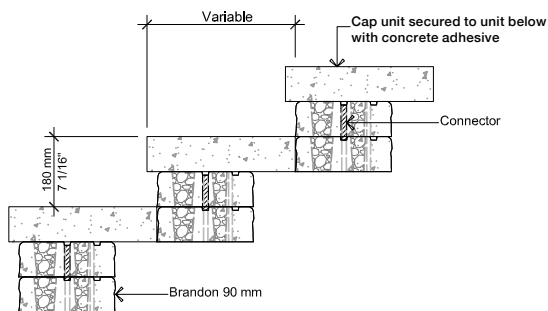
DOUBLE-SIDED WALL RADIUS - BRANDON 90 & 180 mm



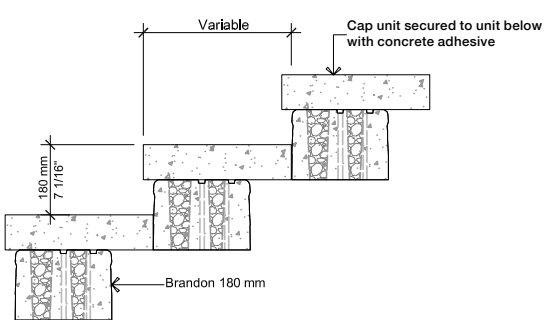
It is the user's responsibility to verify for the quantity of materials required.

STEPS

BRANDON 90 mm



BRANDON 180 mm

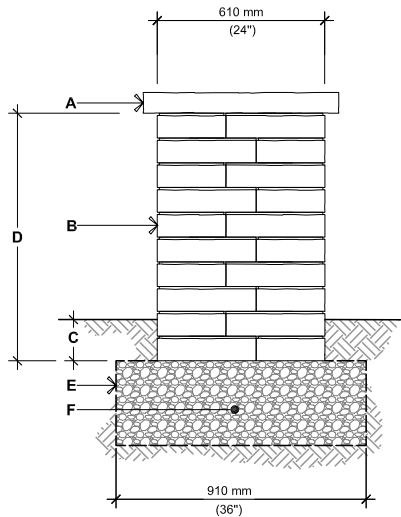


For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

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

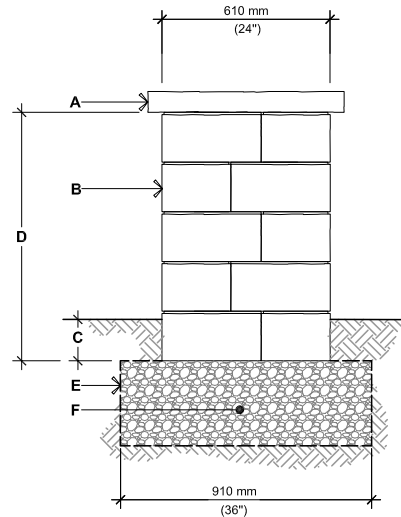
INSTALLATION GUIDE

PILLARS - BRANDON 90 & 180 mm



BRANDON 90 mm

- A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** BRANDON 90 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- D.** 900 mm (35 7/16"), HEIGHT PER PALLET
1 080 mm (42 1/2"), MAXIMUM HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 150 mm (6")
THICK MIN. THICKNESS ACCORDING TO
PROJECT SPECIFIC CONDITIONS



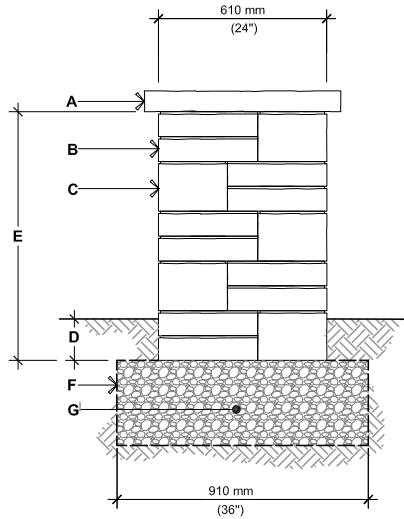
BRANDON 180 mm

- A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** BRANDON 180 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- D.** 900 mm (35 7/16"), HEIGHT PER PALLET
1 080 mm (42 1/2"), 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 106

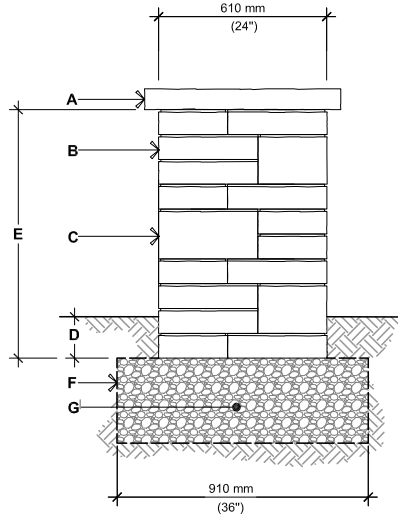
INSTALLATION GUIDE

PILLARS - BRANDON 90 & 180 mm



BRANDON 90 mm & 180 mm
OPTION A

- A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** BRANDON 90 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** BRANDON 180 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- E.** 900 mm (35 7/16"),
1 080 mm (42 1/2"), 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

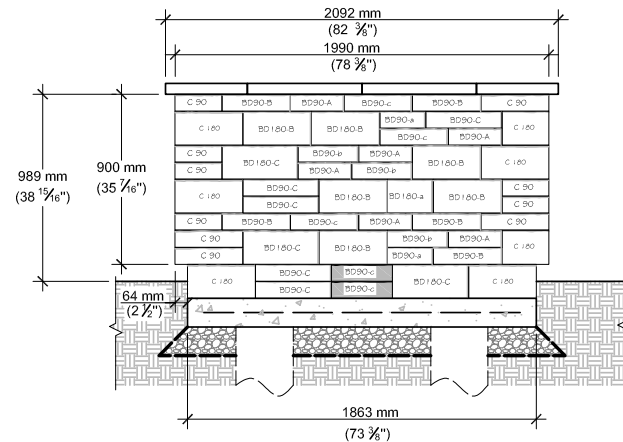
- A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** BRANDON 90 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** BRANDON 180 mm PILLAR UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- E.** 900 mm (35 7/16"),
1 080 mm (42 1/2"), 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 106

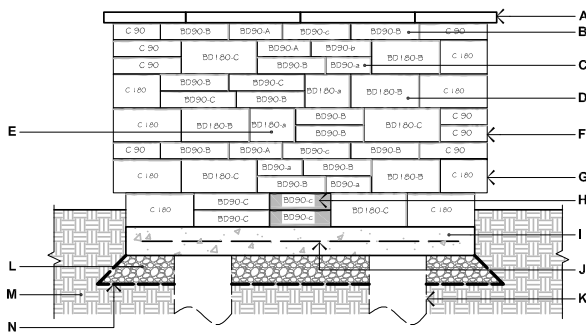
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

GRILL ISLAND - BRANDON 90 & 180 mm



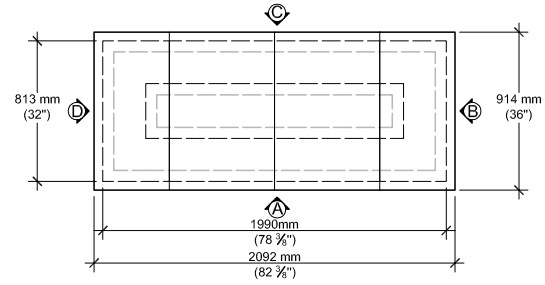
ELEVATION A



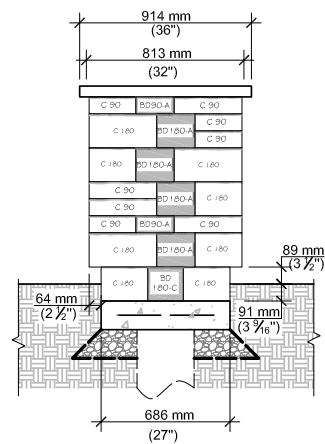
ELEVATION C

- A.** YORK COUNTER TOP 24" × 36" × 2 1/4"
- 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

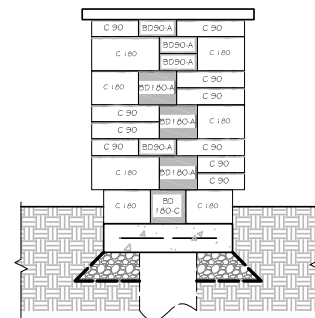
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



TOP VIEW



ELEVATION B



ELEVATION D

QUANTITY OF MATERIALS REQUIRED

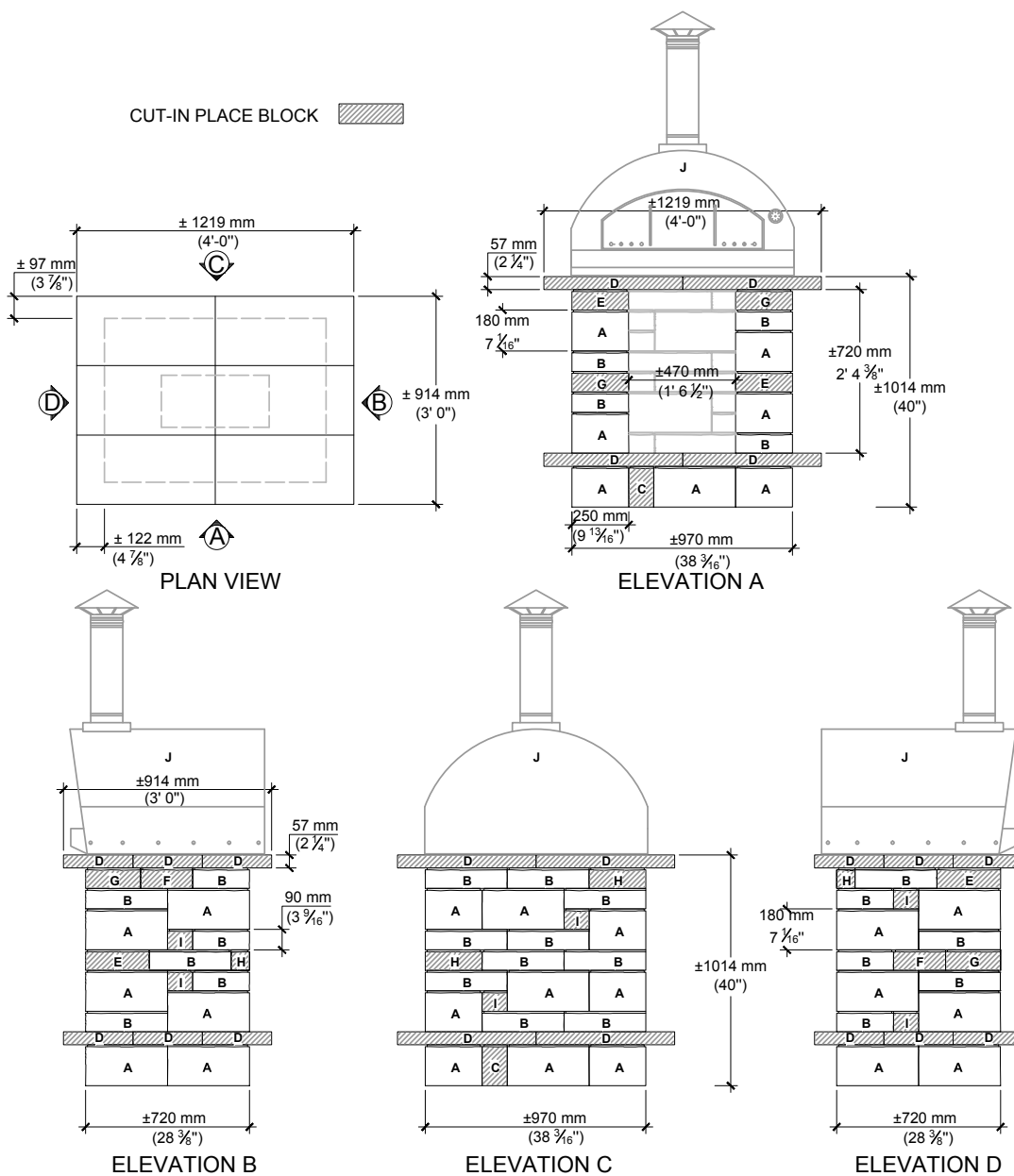
- York Counter top 24" × 36" × 2 1/4": **4**
- Brandon 90 mm unit: **20 A**, **20 B**, **18 C**
- Brandon 180 mm unit: **10 A**, **10 B**, **9 C**
- Brandon 90 mm Pillar unit: **18**
- Brandon 180 mm Pillar unit: **15**

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.

INSTALLATION GUIDE

PIZZA OVEN - BRANDON 90 & 180 mm

CUT-IN PLACE BLOCK



A. BRANDON 180 mm PILLAR UNIT:	$7 \frac{1}{16}'' \times 9 \frac{13}{16}'' \times 14 \frac{3}{16}''$ (180 x 250 x 360 mm)	16 U.	F. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 9''$ (90 x 250 x 229 mm)	2 U.
B. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 14 \frac{3}{16}''$ (90 x 250 x 360 mm)	16 U.	G. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 9 \frac{1}{2}''$ (90 x 250 x 241 mm)	2 U.
C. BRANDON 180 mm PILLAR UNIT:	$7 \frac{1}{16}'' \times 9 \frac{13}{16}'' \times 4 \frac{5}{16}''$ (180 x 250 x 110 mm)	2 U.	H. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 3 \frac{3}{16}''$ (90 x 250 x 81 mm)	2 U.
D. CAP PIEDIMONTE 12X30:	$2 \frac{1}{4}'' \times 11 \frac{3}{4}'' \times 24''$ (57 x 298 x 610 mm)	12 U.	I. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 4 \frac{5}{16}''$ (90 x 250 x 110 mm)	6 U.
E. BRANDON 90 mm PILLAR UNIT:	$3 \frac{9}{16}'' \times 9 \frac{13}{16}'' \times 11''$ (90 x 250 x 279 mm)	2 U.	J. FORNO APPLIANCE:		1 U.

NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code.

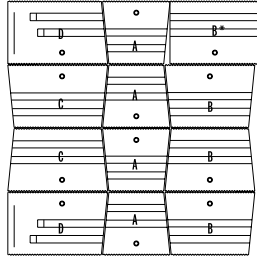
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



ESCALA 3,5"

DESCRIPTION: Wall double-sided **TEXTURE:** Split Face and Aged

PALLET OVERVIEW - PANELS



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 26.24 ft².

See page 102 to 122 for more technical information.

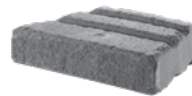
Specifications per pallet	Imperial	Metric
Cubing	27.65 ft ²	2.57 m ²
	94.62 lin. ft	28.84 lin. m
Approx. Weight	2 940 lbs	1 334 kg
Minimum radius	7.5 ft	2.25 m
Number of rows	7	
Coverage per row	3.95 ft ² /row	0.37 m ² /row
Linear coverage per row	13.52 lin. ft/row	4.12 lin. m/row



A

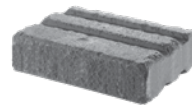
Unit dimensions	in	mm	Units/pallet
Height	3 ⁹ / ₁₆	90	28 units
Depth	9 ¹³ / ₁₆	250	
Length 1	10 ⁵ / ₈	270	
Length 2	8 ¹¹ / ₁₆	220	

B



Height	3 ⁹ / ₁₆	90	21 units
Depth	9 ¹³ / ₁₆	250	
Length 1	14 ³ / ₁₆	360	
Length 2	12 ³ / ₁₆	310	

B*



Height	3 ⁹ / ₁₆	90	7 units
Depth	9 ¹³ / ₁₆	250	
Length 1	14 ³ / ₁₆	360	
Length 2	14 ³ / ₁₆	360	

C



Height	3 ⁹ / ₁₆	90	14 units
Depth	9 ¹³ / ₁₆	250	
Length 1	15 ³ / ₄	400	
Length 2	13 ³ / ₄	350	

D



Height	3 ⁹ / ₁₆	90	14 units 7 right corners 7 left corners
Depth	9 ¹³ / ₁₆	250	
Length 1	15 ³ / ₄	400	
Length 2	14 ³ / ₄	375	

Chestnut Brown

Sandlewood

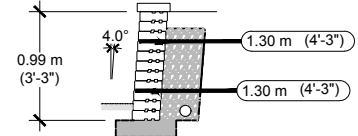
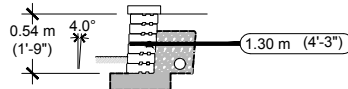
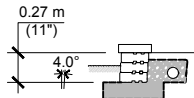
Champlain Grey

Shale Grey

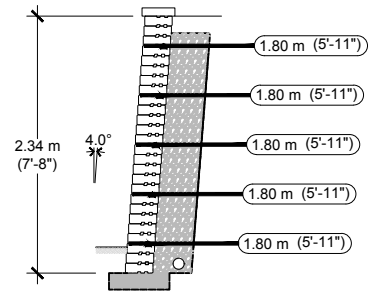
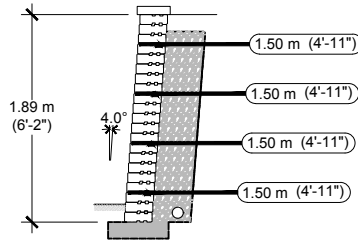
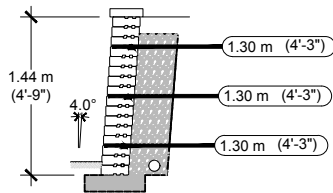


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



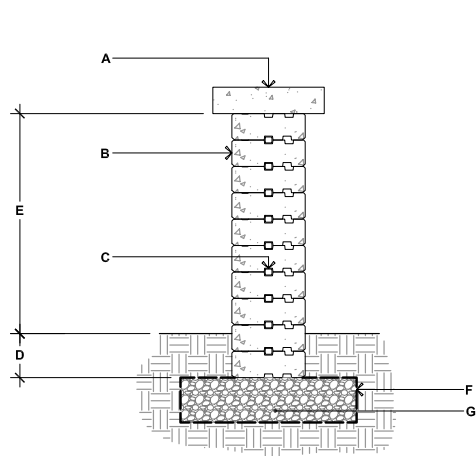
VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT



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 ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 Teho-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 150 mm (6 in) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Teho-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

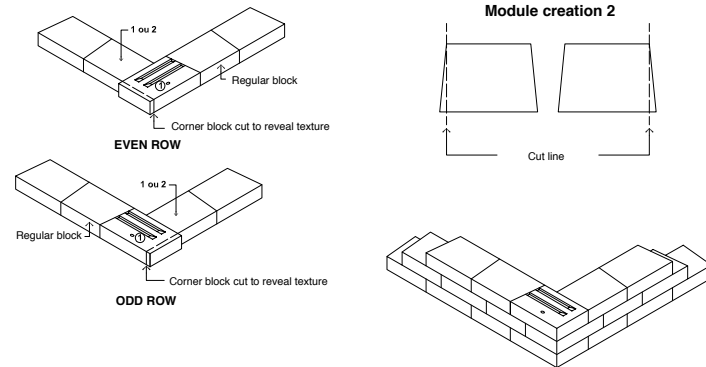
FREESTANDING WALLS - ESCALA 3,5"



ESCALA 3,5"

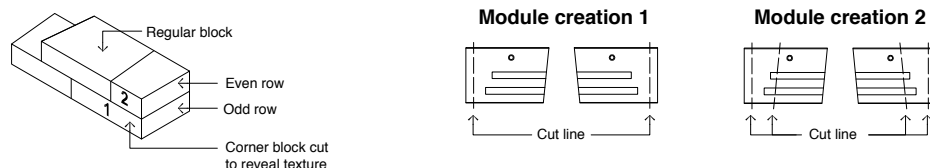
- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** ESCALA 3.5" DOUBLE-SIDED WALL UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** CONNECTOR
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 750 mm (29 7/16") MAX.
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

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 a concrete 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.

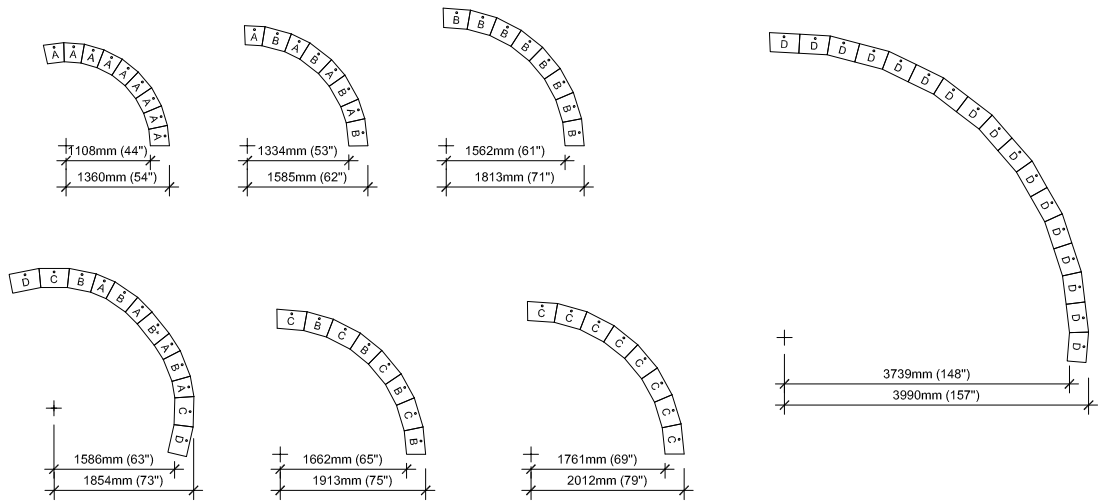
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



* 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

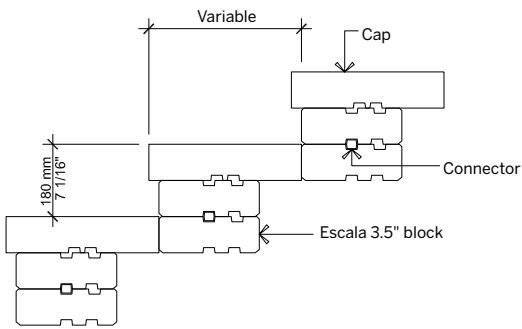
DOUBLE-SIDED WALL RADIUS - ESCALA 3.5"



It is the user's responsibility to verify for the quantity of materials required.

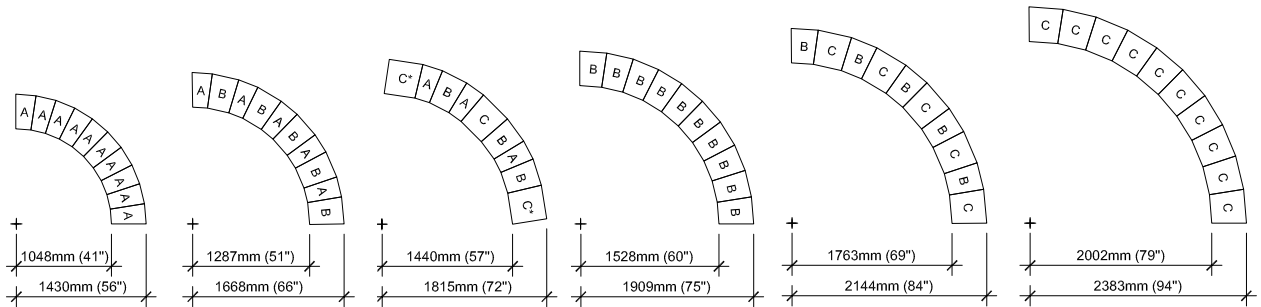
STEPS

ESCALA 3.5"



For all possible combinations of walls and caps, please refer to the correspondence table on 106.

CAP RADIUS - ESCALA 3.5"



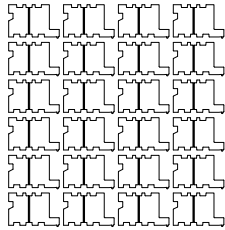
It is the user's responsibility to verify for the quantity of materials required.



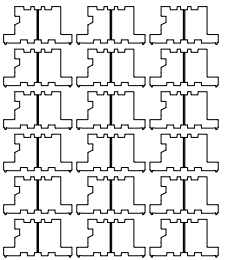
FASCIA WALL COLLECTION

DESCRIPTION: Base and Structural block single-sided & double-sided **TEXTURE:** Smooth

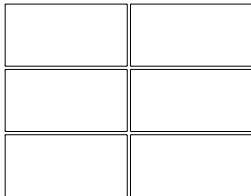
PALLET OVERVIEW - SINGLE-SIDED



PALLET OVERVIEW - DOUBLE-SIDED



PALLET OVERVIEW - BASE



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet		Imperial	Metric
SINGLE-SIDED	Cubing	96 units	96 units
		31.00 ft ²	2.88 m ²
		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 ft ²	0.72 m ²
	Linear coverage per row	15.75 lin. ft	4.80 lin. m



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 ft ²	2.16 m ²
		47.24 lin. ft	14.40 lin. m
	Approx. Weight	2 138 lbs	970 kg
	Number of rows	4	
	Coverage per row	5.81 ft ²	0.54 m ²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



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 ft ²	2.38 m ²
		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 ft ²	0.22 m ²
	Linear coverage per row	11.81 lin. ft	3.60 lin. m



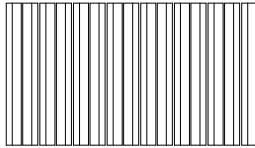
Unit dimensions		in	mm	Units/pallet
Height		2 3/8	60	66 units
Depth		12	305	
Length		23 5/8	600	



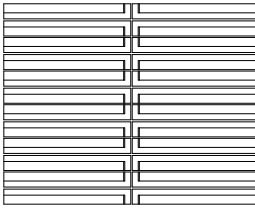
ICONIC FASCIA WALL COLLECTION

DESCRIPTION: Fascia Panel & Corner **TEXTURE:** Natural Stone

PALLET OVERVIEW - PANELS



PALLET OVERVIEW - CORNERS



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet		Imperial	Metric
FASCIA	Cubing	45 units	45 units
		47.95 ft ²	4.46 m ²
		97.44 lin. ft	29.70 lin. m
	Approx. Weight	1 390 lbs	630 kg
	Number of rows	3	
	Coverage per row	15.98 ft ²	1.49 m ²
Linear coverage per row		32.48 lin. ft	9.90 lin. m

	Unit dimensions		in	mm	Units/pallet
	A	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

	Unit dimensions		in	mm	Units/pallet
	A	Height	5 7/8	150	12 units
		Depth	2 3/4	70	
		Length	23 1/4	590	
	Unit dimensions		in	mm	Units/pallet
	B	Height	5 7/8	150	12 units
		Depth	2 3/4	70	
		Length	23 1/4	590	

Rock Garden Brown

Tints of Vanilla

Riviera

Carbon

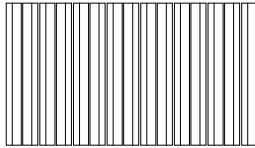




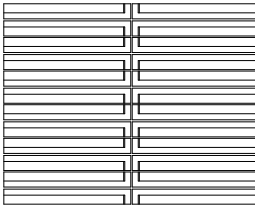
ROSEMONT FASCIA WALL COLLECTION

DESCRIPTION: Fascia Panel & Corner **TEXTURE:** Slate

PALLET OVERVIEW - PANELS



PALLET OVERVIEW - CORNERS



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet		Imperial	Metric
FASCIA	Cubing	45 units	45 units
		47.95 ft ²	4.46 m ²
		97.44 lin. ft	29.70 lin. m
	Approx. Weight	1 293 lbs	587 kg
	Number of rows	3	
	Coverage per row	15.98 ft ²	1.49 m ²
	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 3/16 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	

Chocolate Brown

Rock Garden Brown

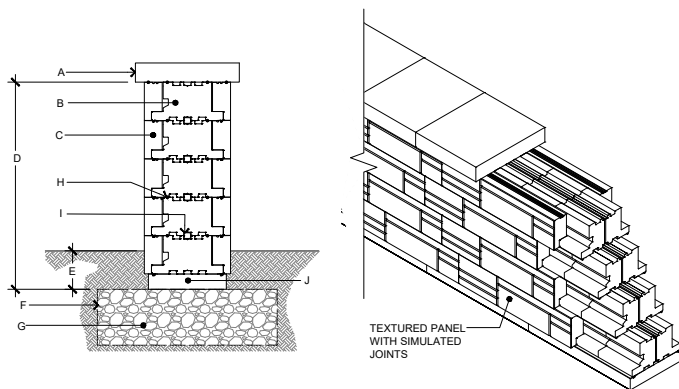
Riviera

Azzurro



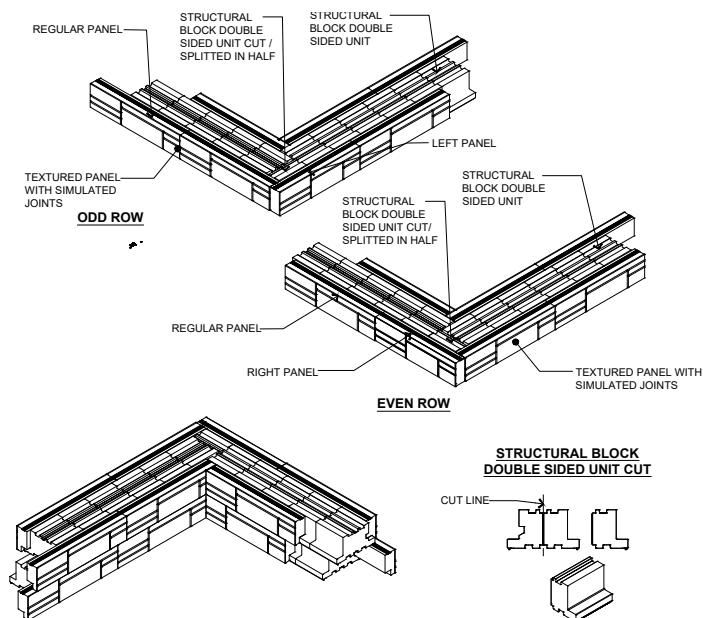
INSTALLATION GUIDE

FREESTANDING WALL



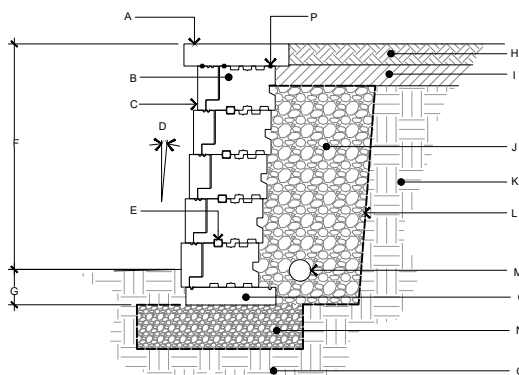
- A. TECHO-BLOC CAP UNIT SECURED TO CORE AND PANEL BELOW WITH CONCRETE ADHESIVE
- B. STRUCTURAL BLOCK DOUBLE-SIDED UNIT
- C. PANEL UNIT
- D. 29 1/2" (750 mm) MAX.
- E. EMBEDMENT DEPTH 6" (150 mm) MIN.
- F. GEOTEXTILE
- G. COMPACTED GRANULAR BASE 6" (150 mm) MIN. THICKNESS ACCORDING TO PROJECT SPECIFICATIONS
- H. CONCRETE 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 CONCRETE ADHESIVE.
4. APPLY 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.

GRAVITY RETAINING WALL

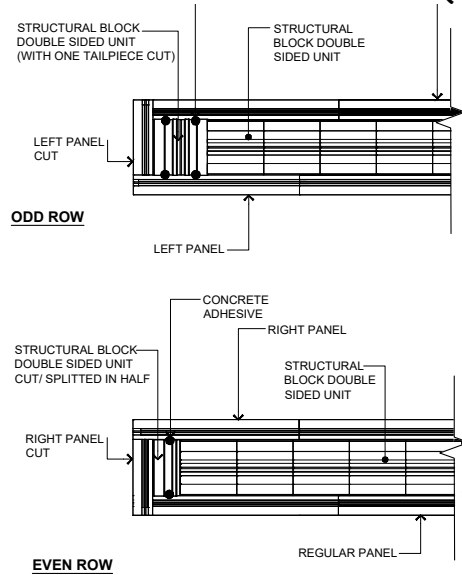


- A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B. STRUCTURAL BLOCK SINGLE SIDED UNIT
- C. PANEL UNIT
- D. WALL INCLINATION (5.3°)
- E. HDPE HORIZONTAL KEY
- F. EXPOSED HEIGHT
- G. EMBEDMENT DEPTH
- H. TOP SOIL
- I. LOW PERMEABILITY SOIL
- J. 3/4" (20 mm) CLEAN STONE 14" (350mm) THICK MIN.
- K. RETAINED SOIL
- L. GEOTEXTILE
- M. PERFORATED DRAIN
- N. LEVELING PAD
- O. FOUNDATION SOIL
- P. CONCRETE ADHESIVE
- Q. BASE UNIT

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

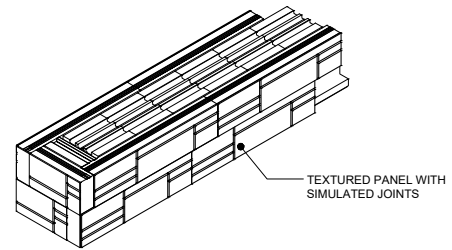
INSTALLATION GUIDE

FREESTANDING END OF A STRAIGHT WALL (OPTION 1)

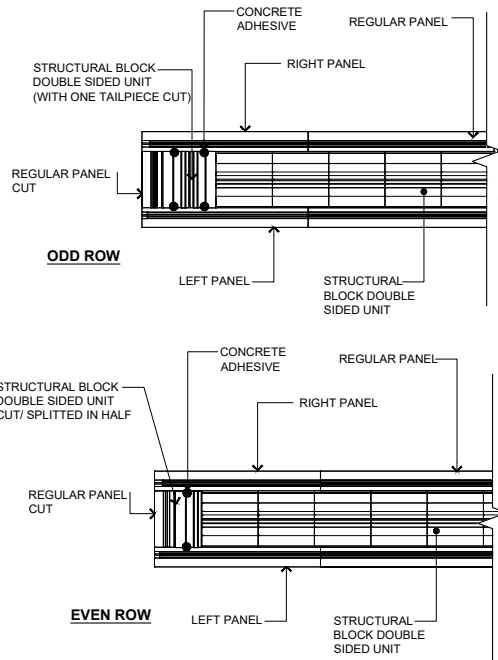


NOTES:

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 CONCRETE ADHESIVE.
4. APPLY ADHESIVE ON TOP OF UPPERMOST PANEL UNITS TO FIX CAP UNITS.

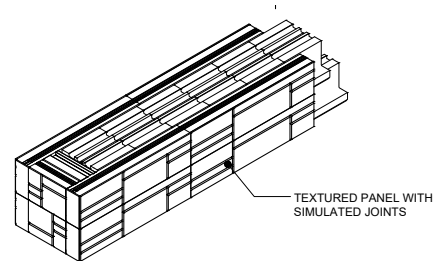


FREESTANDING END OF A STRAIGHT WALL (OPTION 2)



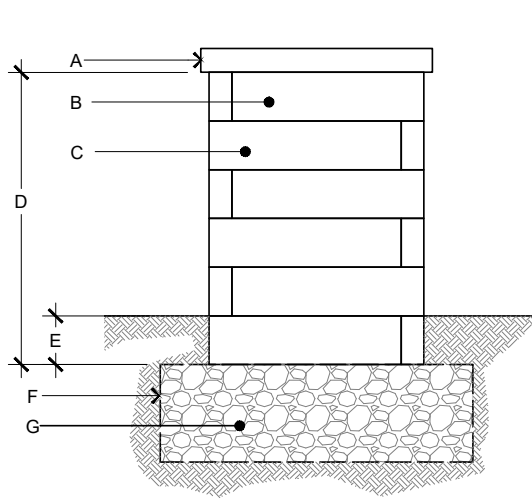
NOTES:

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 CONCRETE ADHESIVE.
4. APPLY ADHESIVE ON TOP OF UPPERMOST PANEL UNITS TO FIX CAP UNITS.

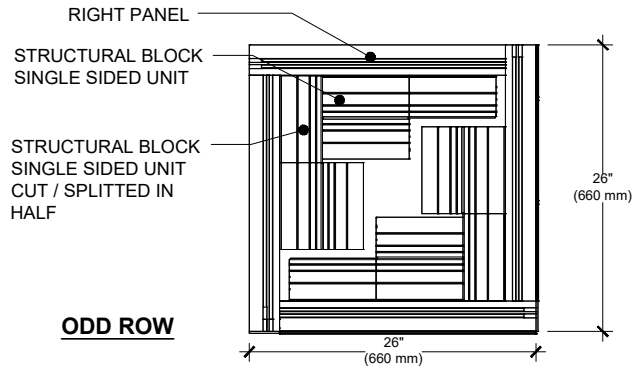
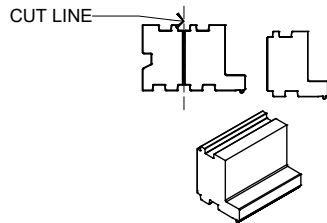


INSTALLATION GUIDE

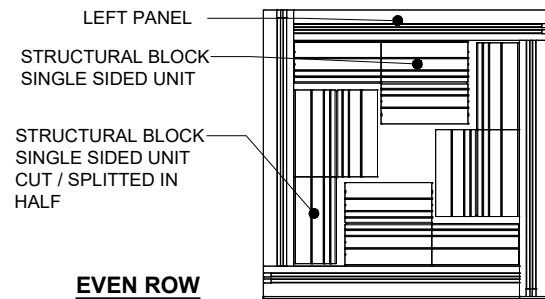
PILLARS - FASCIA WALL COLLECTION



STRUCTURAL BLOCK SINGLE SIDED UNIT CUT / SPLITTED IN HALF



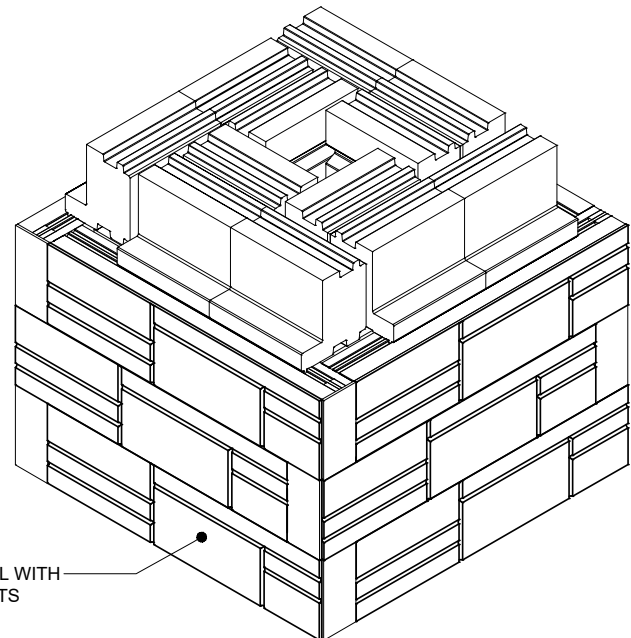
ODD ROW



EVEN ROW

NOTE: SECURE EACH ROW WITH CONCRETE ADHESIVE.

- A. PILLAR CAP UNIT SECURED TO CORE AND PANEL BELOW WITH CONCRETE 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.



TEXTURED PANEL WITH
SIMULATED JOINTS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

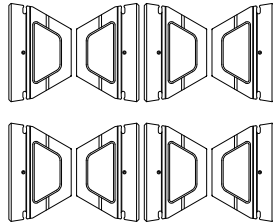
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



G-FORCE

DESCRIPTION: Wall **TEXTURE:** Smooth

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	32.00 ft²	2.97 m ²
	48 lin. ft	14.63 lin. m
Approx. Weight	2 477 lbs	1 124 kg
Number of rows	4	
Coverage per row	8.00 ft ²	0.74 m ²
Linear coverage per row	12.00 lin. ft	3.66 lin. m

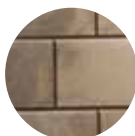


A

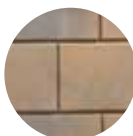


Unit dimensions	in	mm	Units/pallet
Height	8	203	32 units
Depth	11 ⁷ / ₁₆	290	
Length 1	18	457	
Length 2	8 ⁵ / ₈	219	

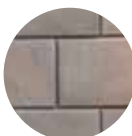
Chestnut Brown



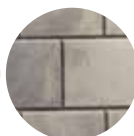
Sandlewood



Champlain Grey



Shale Grey

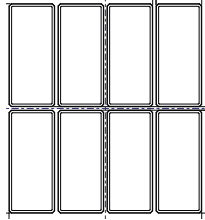




G-FORCE CORNER UNIT

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	



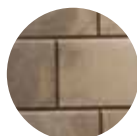
COMPATIBLE CAPS

See page 106 for product compatibility.

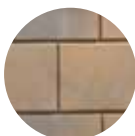
NOTES

See page 102 to 122 for more technical information.

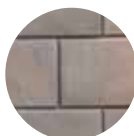
Chestnut Brown



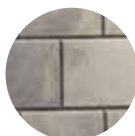
Sandlewood



Champlain Grey

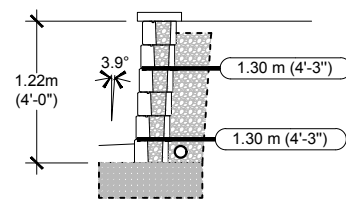
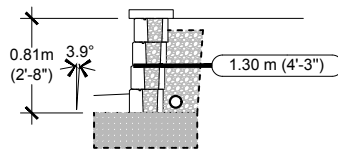
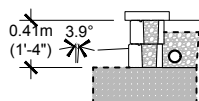


Shale Grey

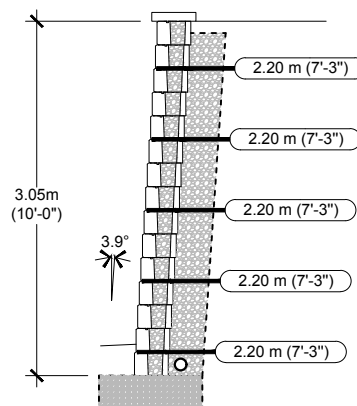
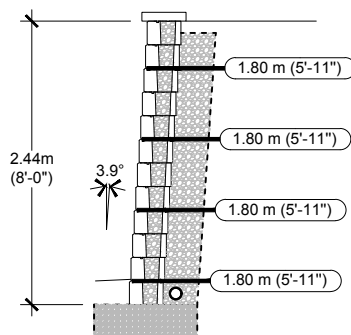
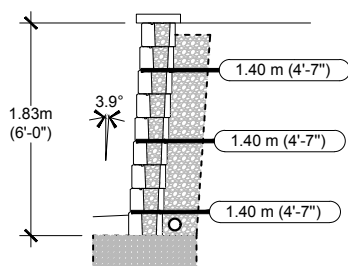


REINFORCED SOIL: GRAVEL/SAND & GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1:
No Surcharge
No Backslope
No Toe Slope



VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT

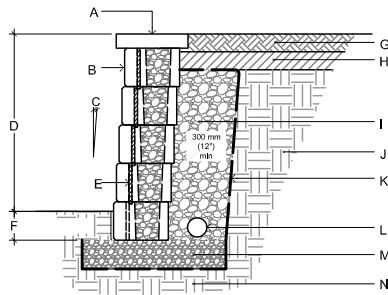


WALLS & PILARS

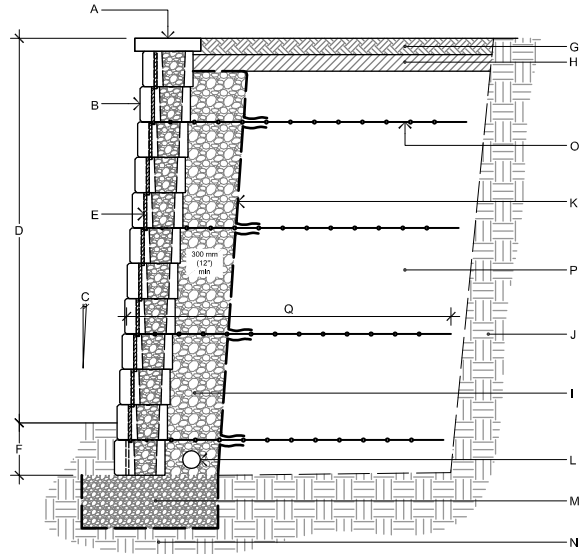
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the top of the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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



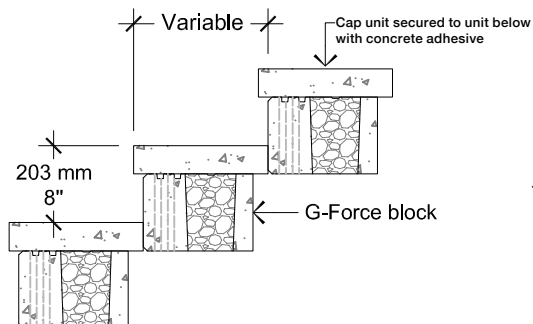
GRAVITY WALL DETAIL



REINFORCED WALL DETAIL

- | | |
|--|----------------------------|
| A. CAP FROM TECO-BLOC | J. RETAINED SOIL |
| B. G-FORCE BLOCK FROM TECO-BLOC | K. GEOTEXTILE |
| C. WALL INCLINATION (3.9°) | L. PERFORATED DRAIN |
| D. EXPOSED HEIGHT | M. LEVELING PAD |
| E. HDPE VERTICAL KEY | N. FOUNDATION SOIL |
| F. EMBEDMENT DEPTH | O. GEOGRID |
| G. TOP SOIL | P. REINFORCED SOIL |
| H. LOW PERMEABILITY SOIL | Q. GEOGRID LENGTH |
| I. 3/4" (20 MM) CLEAN STONE | |

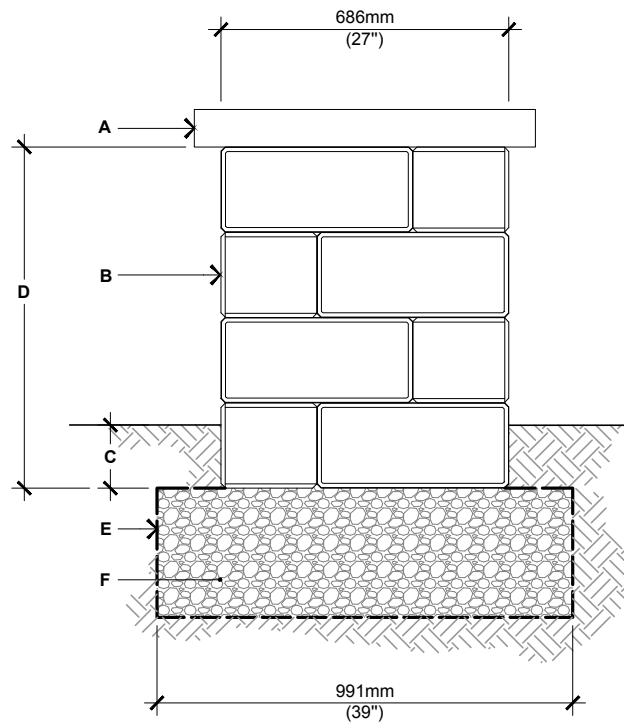
STEPS - G-FORCE



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

INSTALLATION GUIDE

PILLARS - G-FORCE



G-FORCE PILLAR

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** G-FORCE UNIT SECURE EACH ROW WITH
CONCRETE 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)

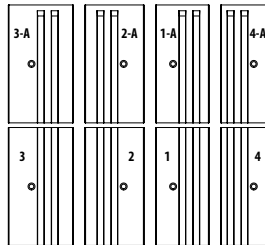
For all possible combinations of pillars and caps, please refer to the correspondence table on page 106



GRAPHIX

DESCRIPTION: Wall double-sided **TEXTURE:** Smooth & Split face

PALLET OVERVIEW











COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	26.25 ft²	2.44 m ²
	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 ft ²	0.30 m ²
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

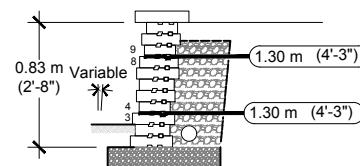
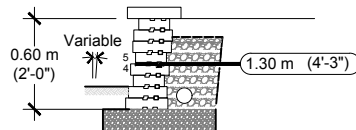
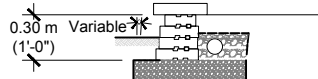
Greyed Nickel

Onyx Black

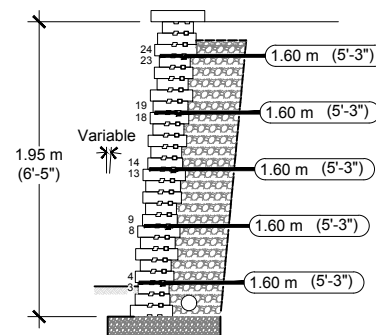
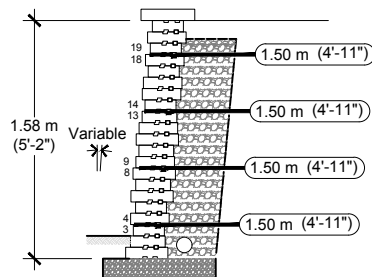
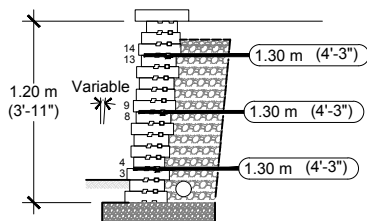


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 2XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT

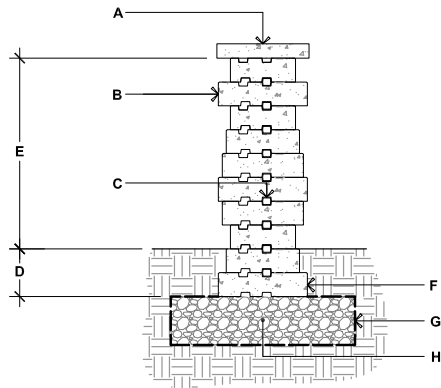


WALLS & PILARS

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 ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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

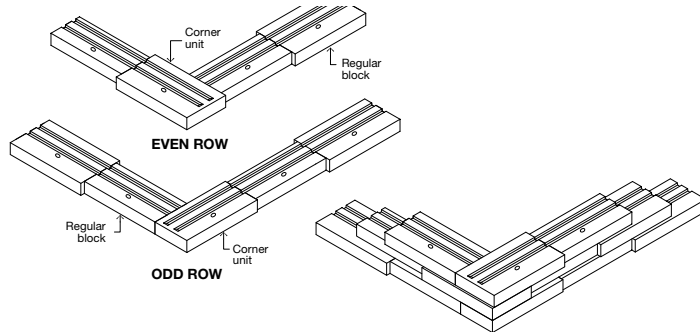
FREESTANDING WALLS - GRAPHIX



GRAPHIX

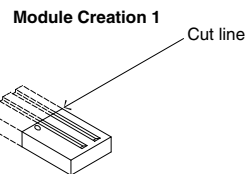
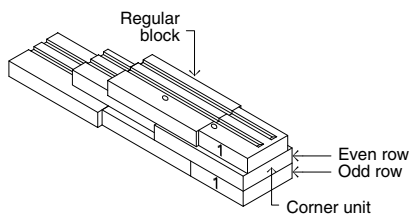
- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** GRAPHIX DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** CONNECTOR
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 23 1/2" (600 mm) MAX.
- F.** FOR THE FIRST ROW, ALWAYS USE THE DEEPER GRAPHIX BLOCK
- G.** 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 a concrete 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

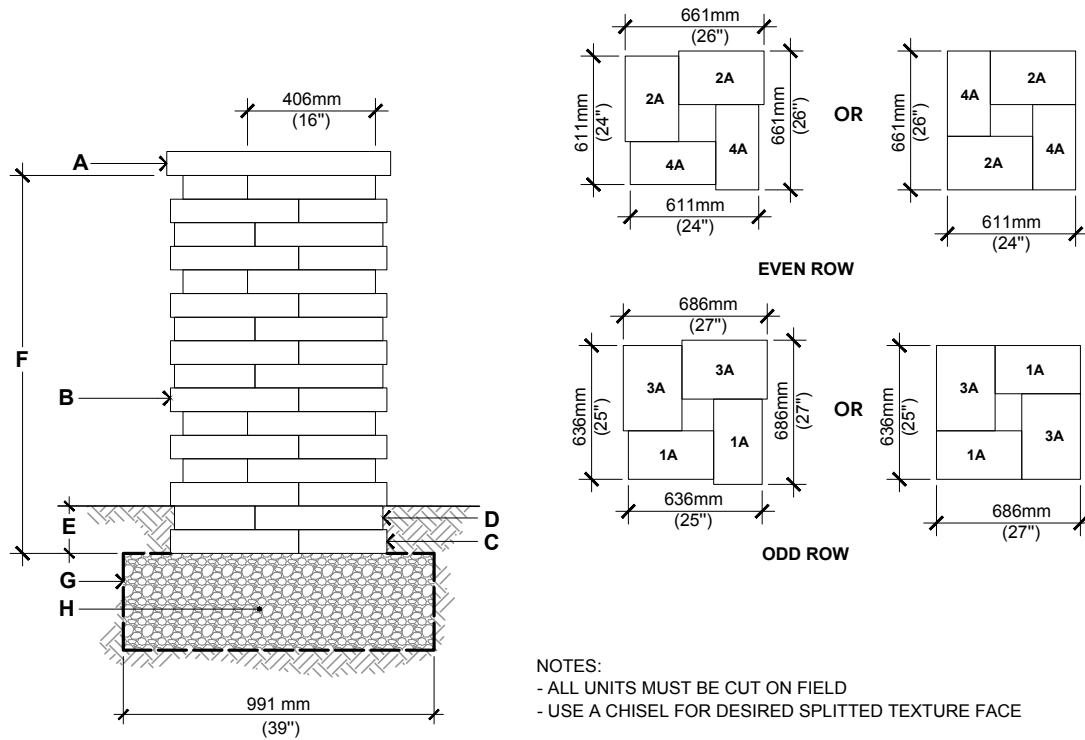


* It is possible to alternate the blocks (1, 2, 3 or 4) in the same row to create different patterns. However, a corner block and a cut corner block (1A, 2A, 3A or 4A) must always be present at the end of a row and must be alternated for each subsequent row.

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

INSTALLATION GUIDE

PILLARS - GRAPHIX



GRAPHIX

- A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- B.** GRAPHIX CORNER UNIT
SECURE EACH ROW WITH CONCRETE 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

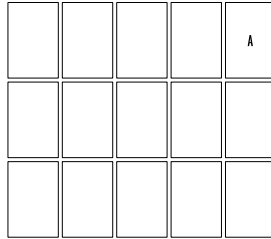
For all possible combinations of pillars and caps, please refer to the correspondence table on page 106



MANCHESTER

DESCRIPTION: Wall **TEXTURE:** Smooth and Aged

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
	90 units	90 units
Cubing	29.10 ft ²	2.70 m ²
	88.58 lin. ft	27 lin. m
Approx. Weight	2 760 lbs	1 252 kg
Number of rows	6	
Coverage per row	4.84 ft ²	0.45 m ²
Linear coverage per row	14.76 lin. ft	4.5 lin. m



A



Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	90 units
Depth	7 7/8	200	
Length	11 13/16	300	

Chocolate Brown



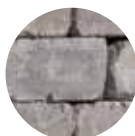
Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

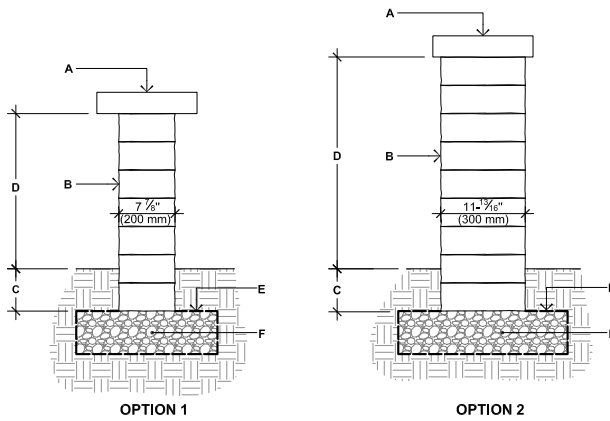


Onyx Black



INSTALLATION GUIDE

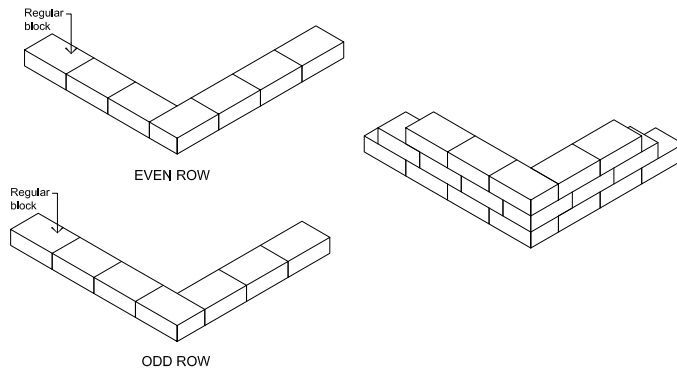
FREESTANDING WALLS - MANCHESTER



MANCHESTER

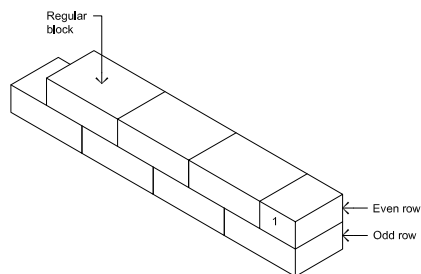
- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** MANCHESTER DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- D.** 21 ⁹/₁₆" (550 mm) MAX. FOR BLOCK DEPTH OF 7 ⁷/₈" (200 mm)
- D.** 29 ⁷/₁₆" (750 mm) MAX. FOR BLOCK DEPTH OF 11 ¹³/₁₆" (300 mm)
- E.** GEOTEXTILE
- F.** 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 a concrete adhesive.

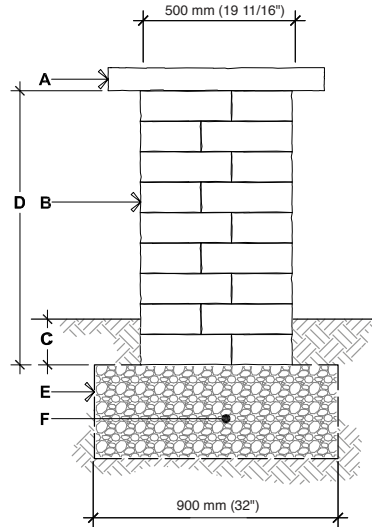
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.

INSTALLATION GUIDE

PILLARS - MANCHESTER



MANCHESTER PILLAR

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** MANCHESTER UNIT SECURE EACH ROW WITH
CONCRETE ADHESIVE
- C.** EMBEDMENT 6" (150 mm) MIN.
- D.** 35 $\frac{7}{16}$ " (900 mm), HEIGHT PER PALLET
47 $\frac{1}{4}$ " (1200 mm), MAXIMUM HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 150 mm (6")
THICK MIN. THICKNESS ACCORDING TO
PROJECT SPECIFIC CONDITIONS

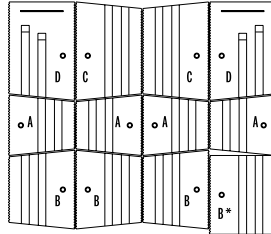
For all possible combinations of pillars and caps, please refer to the correspondence table on page 106



MINI-CRETA 3"

DESCRIPTION: Wall double-sided **TEXTURE:** Aged with chiseled corners

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	24 ft²	2.23 m ²
	95.01 lin. ft	28.96 lin. m
Approx. Weight	2 486 lbs	1 128 kg
Minimum radius	7 ft	2.1 m
Number of rows	8	
Coverage per row	3 ft ²	0.28 m ²
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 8 right corners 8 left corners
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	13 3/4	350	

Chocolate Brown



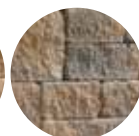
Chestnut Brown



Mojave Beige



Sandlewood



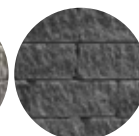
Champlain Grey



Shale Grey



Onyx Black

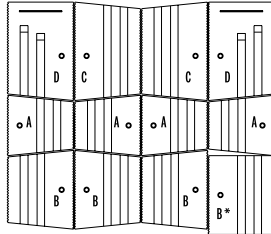




MINI-CRETA 6"

DESCRIPTION: Wall double-sided **TEXTURE:** Aged with chiseled corners

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	30 ft²	2.79 m ²
	59.38 lin. ft	18.10 lin. m
Approx. Weight	3 192 lbs	1 448 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft ²	0.56 m ²
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 5 right corners 5 left corners
	Depth	9 ¹³ / ₁₆	250	
	Length 1	14 ³ / ₄	375	
	Length 2	13 ³ / ₄	350	

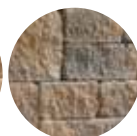
Chestnut Brown



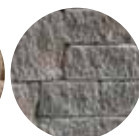
Mojave Beige



Sandlewood



Champlain Grey



Shale Grey

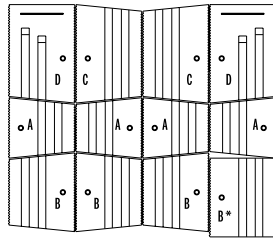




MINI-CRETA 3" ARCHITECTURAL

DESCRIPTION: Wall double-sided **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	24 ft²	2.23 m ²
	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 ft ²	0.28 m ²
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 8 right corners 8 left corners
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	13 3/4	350	

Chocolate Brown

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

Onyx Black

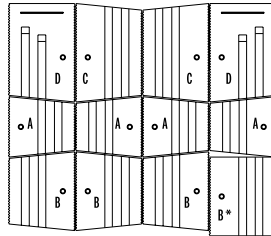




MINI-CRETA 6" ARCHITECTURAL

DESCRIPTION: Wall double-sided **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	30 ft²	2.79 m ²
	59.38 lin. ft	18.10 lin. m
Approx. Weight	3 199lbs	1 451 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft ²	0.56 m ²
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 5 right corners 5 left corners
	Depth	9 ¹³ / ₁₆	250	
	Length 1	14 ³ / ₄	375	
	Length 2	13 ³ / ₄	350	

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

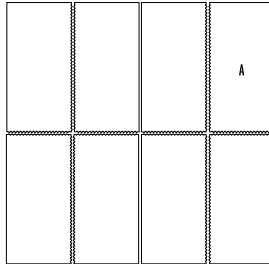




PILLAR 24" MINI-CRETA

DESCRIPTION: Pillar **TEXTURE:** Aged with chiseled corners

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Specifications per pallet		Imperial	Metric
PILLAR 24"x3"	Cubing	48 units	48 units
	Approx. Weight	1 537 lbs	697 kg
	Number of rows	6	
	Pillar height	35 $\frac{7}{16}$ in	900 mm



A

Unit dimensions	in	mm	Units/pallet
Height	2 $\frac{15}{16}$	75	48 units
Depth	8	203	
Length	16	406	



Specifications per pallet		Imperial	Metric
PILLAR 24"x6"	Cubing	24 units	24 units
	Approx. Weight	1 510 lbs	685 kg
	Number of rows	3	
	Pillar height	35 $\frac{7}{16}$ in	900 mm



A

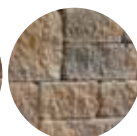
Unit dimensions	in	mm	Units/pallet
Height	5 $\frac{7}{8}$	150	24 units
Depth	8	203	
Length	16	406	



Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

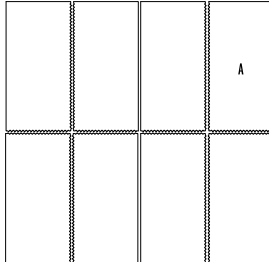




PILLAR 24" MINI-CRETA ARCHITECTURAL

DESCRIPTION: Pillar **TEXTURE:** Split face with straight edged corners

PALLET OVERVIEW



Specifications per pallet

	Imperial	Metric
Cubing	24 units	24 units
Approx. Weight	1 510 lbs	685 kg
Pillar height	35 $\frac{7}{16}$ in	900 mm
Number of rows	3	



Unit dimensions	in	mm	Units/pallet
Height	5 $\frac{7}{8}$	150	24 units
Depth	8	203	
Length	16	406	



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Chestnut Brown



Sandlewood



Champlain Grey

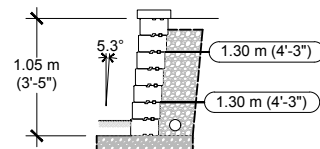
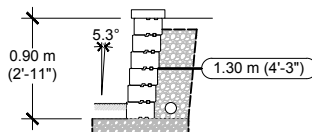
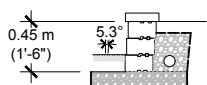


Shale Grey

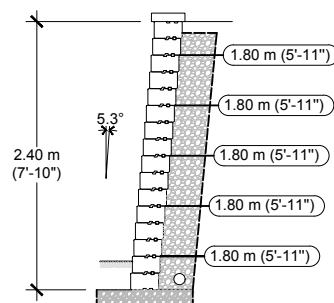
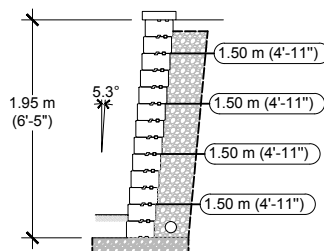
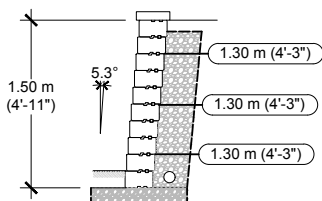


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT



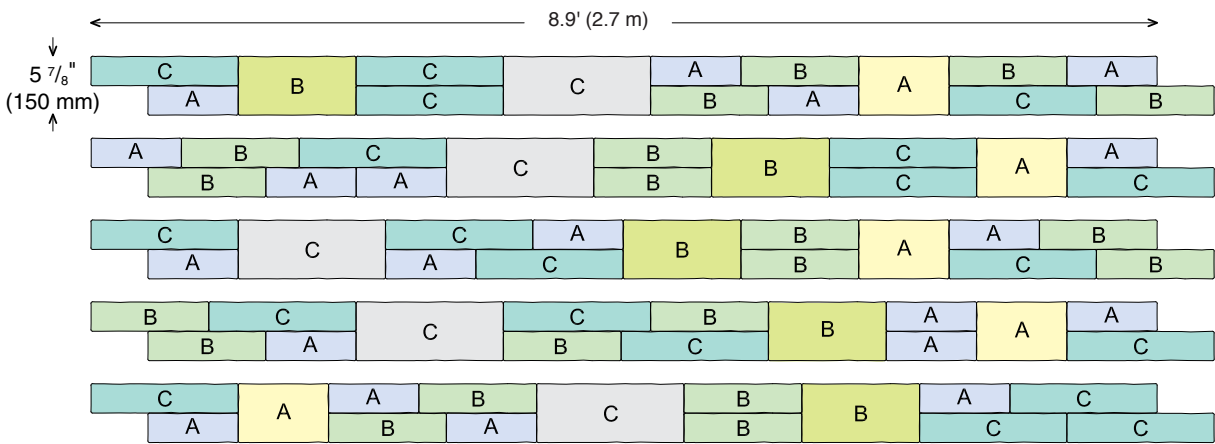
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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 7/8" (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

67% of the surface - Mini-Creta 3"

A

B OR B*

4

C OR D

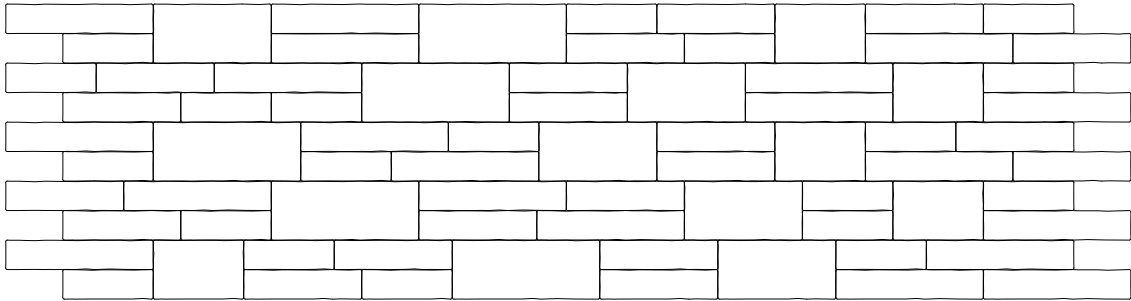
4

33% of the surface - Mini-Creta 6"

1

1

1

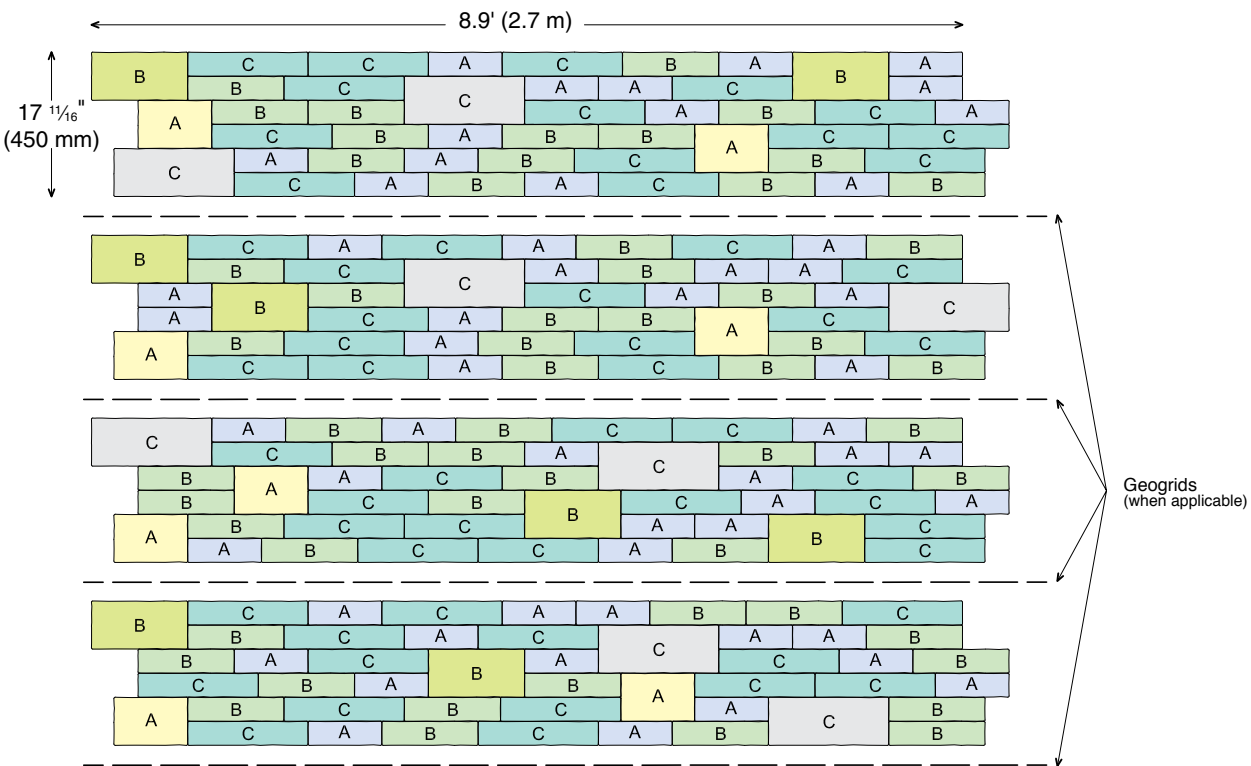


INSTALLATION GUIDE

RETAINING WALLS - MINI-CRETA 3" AND 6"

3-Row Pattern | Laying Patterns

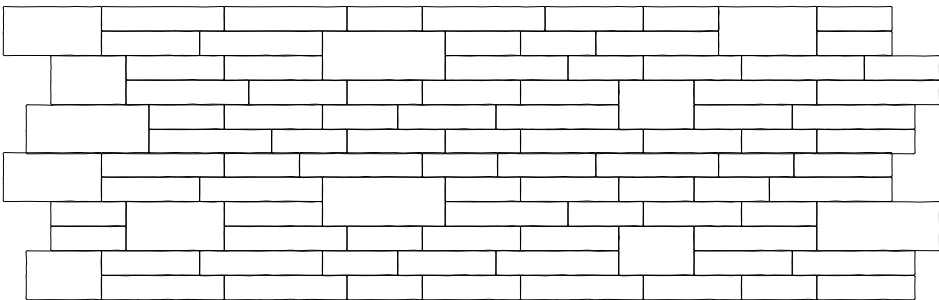
The 3-row pattern provides four different combinations. Each combination is 8.9' (2.7 m) long and 17 11⁄16" (450 mm) high. This pattern gives a leveled surface every 17 11⁄16" (450 mm), which is the recommended spacing between two layers of geogrid in a Mini-Creta wall. **This pattern is recommended 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

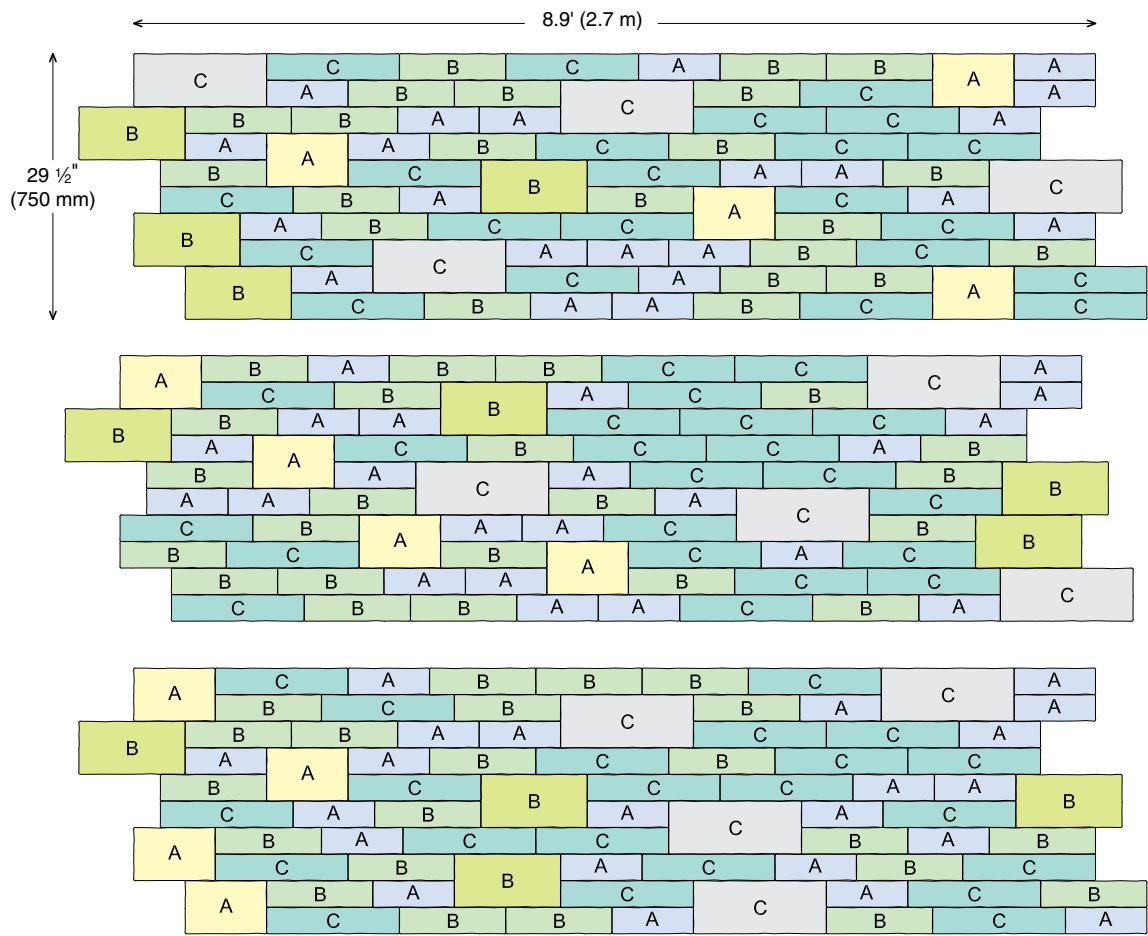


INSTALLATION GUIDE

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 1/2" (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

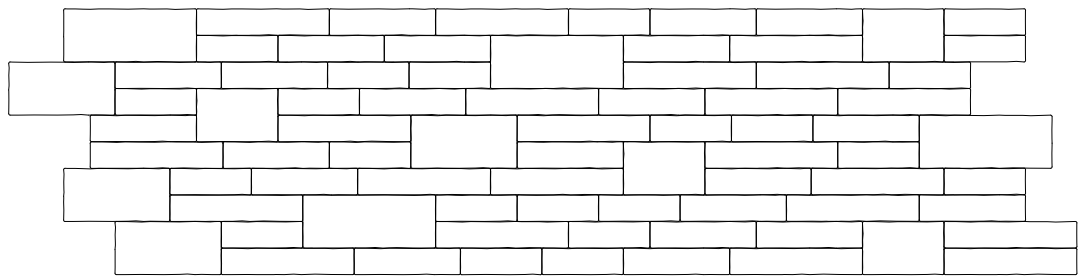
22

27% of the surface - Mini-Creta 6"

4

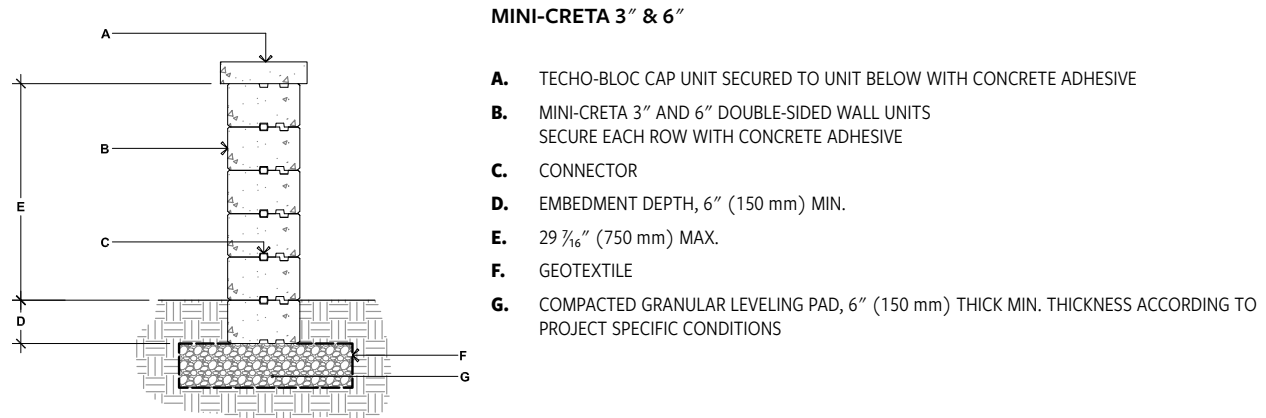
4

4

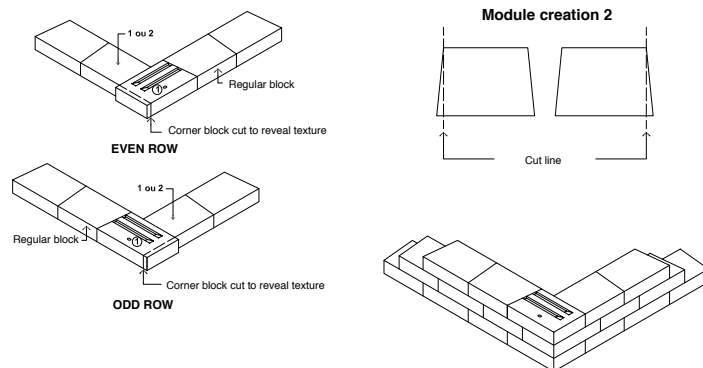


INSTALLATION GUIDE

FREESTANDING WALLS - MINI-CRETA 3" AND 6"



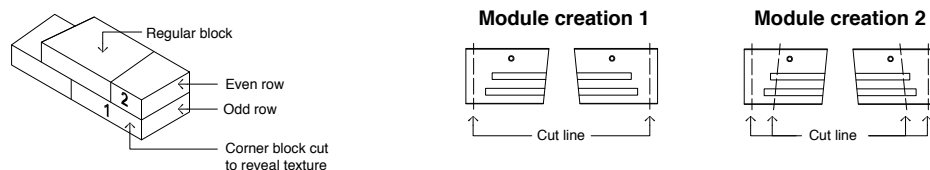
90° CORNER OF A DOUBLE-SIDED WALL



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 a concrete 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.

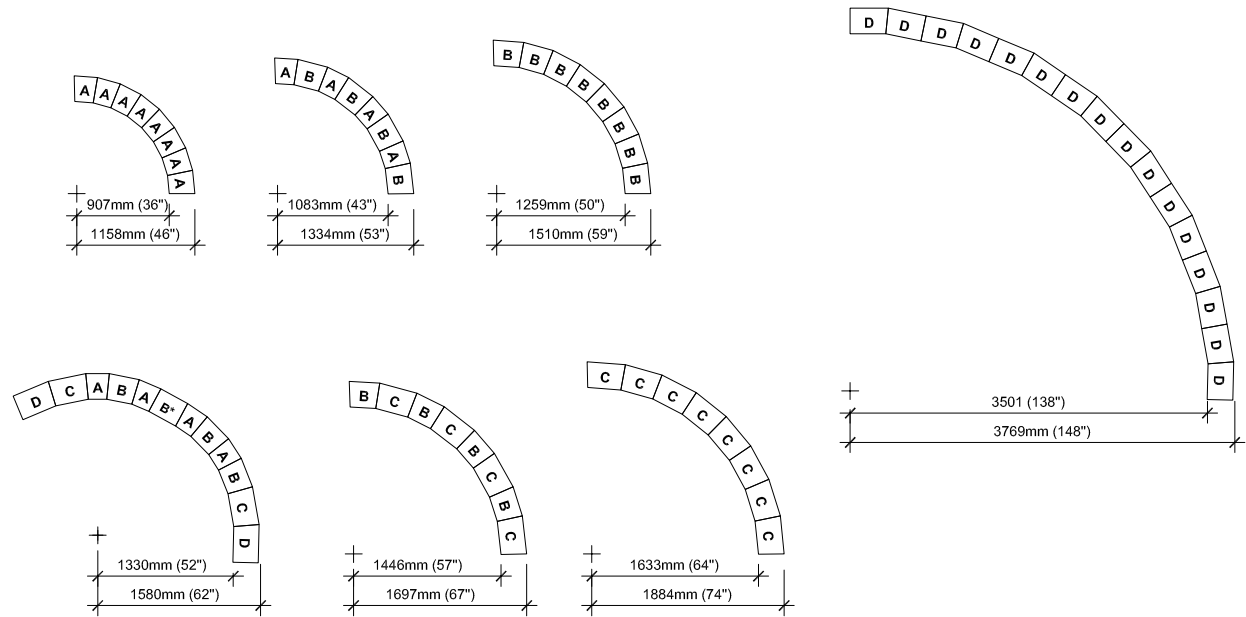
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



* 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

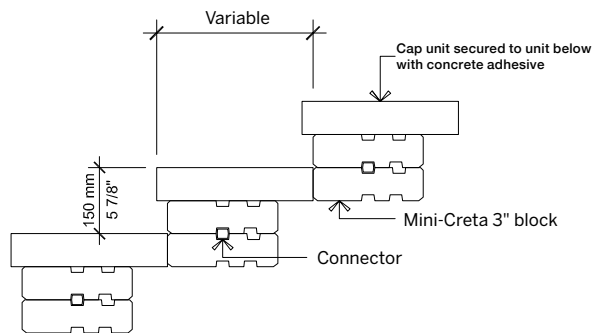
DOUBLE-SIDED WALL RADIUS - MINI-CRETA 3" AND 6"



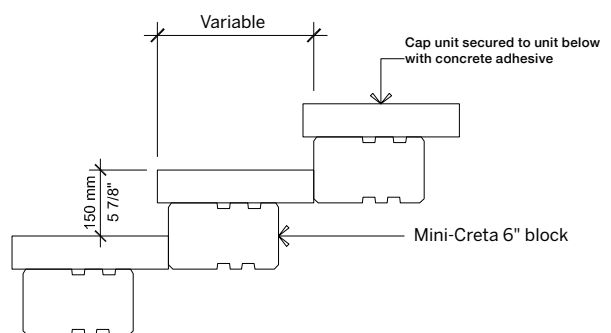
It is the user's responsibility to verify for the quantity of materials required.

STEPS

MINI-CRETA 3"



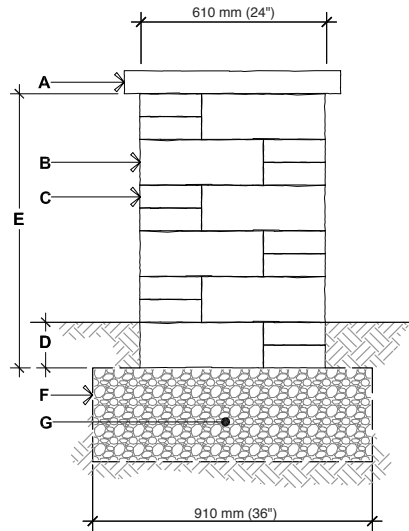
MINI-CRETA 6"



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

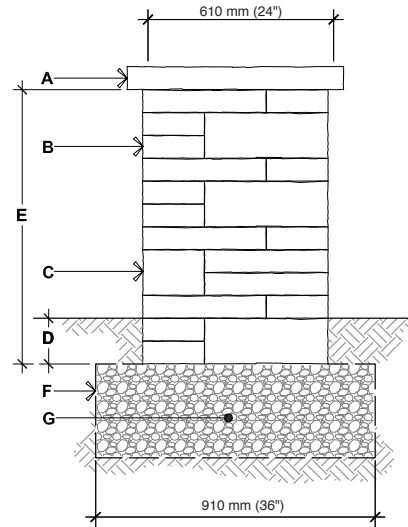
INSTALLATION GUIDE

PILLARS- MINI-CRETA 3" AND 6"



PILLAR 24" x 3" & 24" x 6"
MINI-CRETA - OPTION A

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** PILLAR 24" x 6" (MINI-CRETA) UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** PILLAR 24" x 3" (MINI-CRETA) UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT 6" (150 mm) MIN.
- E.** 35 ⁷/₁₆" (900 mm)
47 ¹/₄" (1200 mm), MAXIMUM HEIGHT
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR BASE 150 mm (6")
THICK MIN. THICKNESS ACCORDING TO
PROJECT SPECIFIC CONDITIONS



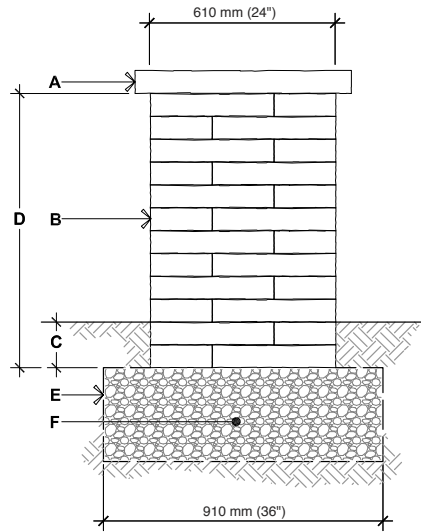
PILLAR 24" x 3" & 24" x 6"
MINI-CRETA - OPTION B

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** PILLAR 24" x 3" (MINI-CRETA) UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** PILLAR 24" x 6" (MINI-CRETA) UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT 6" (150 mm) MIN.
- E.** 35 ⁷/₁₆" (900 mm)
47 ¹/₄" (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 106

INSTALLATION GUIDE

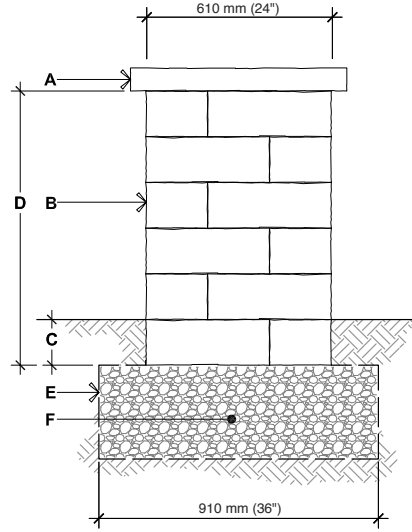
PILLARS- MINI-CRETA 3" AND 6"



PILLAR 24"×3"

MINI-CRETA

- A. PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B. PILLAR 24" × 3" (MINI-CRETA) UNIT SECURE
EACH ROW WITH CONCRETE 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

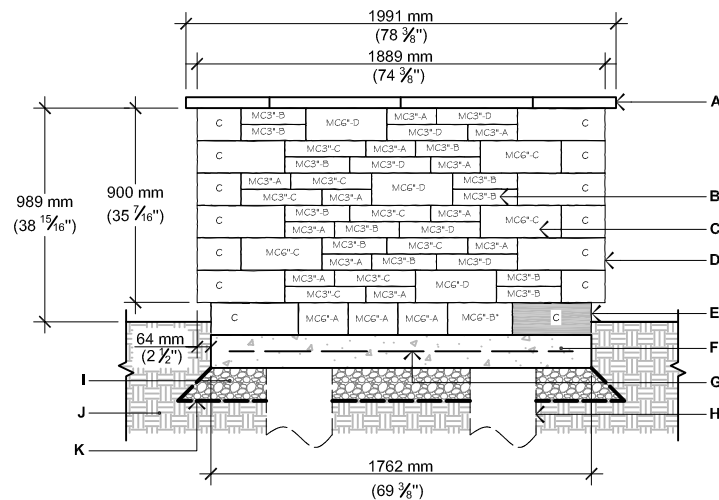
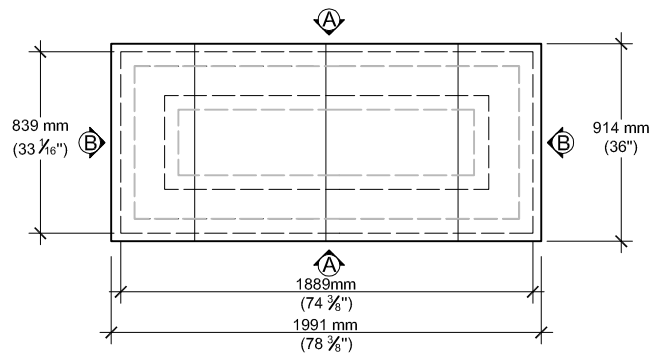
- A. PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B. PILLAR 24" × 6" (MINI-CRETA) UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 7/16" (900 mm), HEIGHT PER PALLET
47 1/4" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED GRANULAR BASE 150 mm (6")
THICK MIN. THICKNESS ACCORDING TO
PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

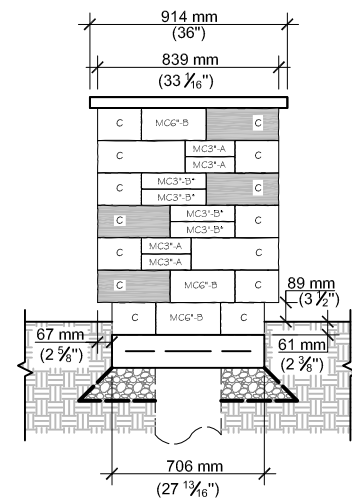
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

INSTALLATION GUIDE

GRILL ISLAND 6 FT - MINI-CRETA 3" AND 6"



ELEVATION A



ELEVATION B

- A. YORK COUNTER TOP 24" × 36" × 2 1/4"
- 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. 3/4" (20 MM) CLEAN STONE 6" (150 MM) THICK MIN. AS PER SITE CONDITIONS
- J. NATURAL SOIL OR COMPACTED BACKFILL
- K. GEOTEXTILE

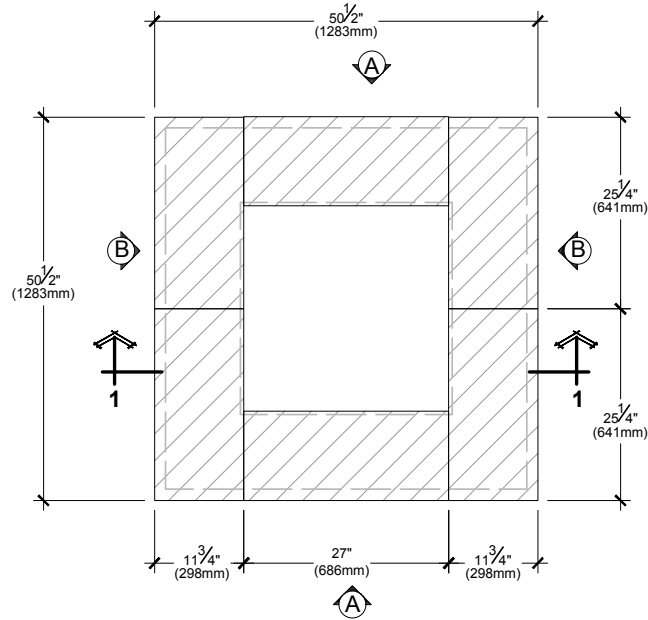
QUANTITY OF MATERIALS REQUIRED

- York Counter top 24" × 36" × 2 1/4": **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**

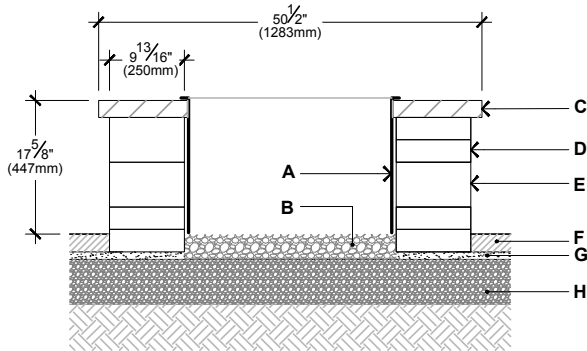
NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant 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.

INSTALLATION GUIDE

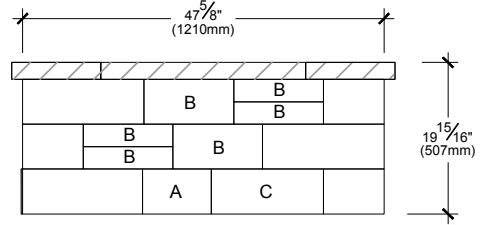
SQUARE FIRE PIT - MINI-CRETA 3" AND 6"



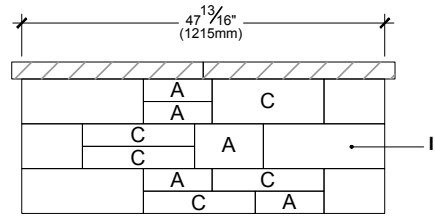
TOP



SECTION 1-1



ELEVATION A



ELEVATION B

 CUT ON FIELD

- A. STEEL BOX INSERT
- B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- C. PIEDIMONTE CAP (12"x30")
- D. MINI-CRETA 3" BLOCK
- E. MINI-CRETA 6" BLOCK
- F. TECO-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 (12"x30") = 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

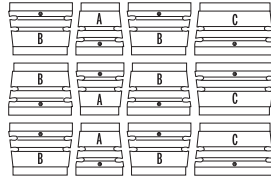
NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.



PRESCOTT 2.25"

DESCRIPTION: Wall double-sided **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	27 ft²	2.51 m ²
	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 ft ²	0.21 m ²
Linear coverage per row	12 lin. ft	3.66 lin. m

	Unit dimensions	in	mm	Units/pallet
 A	Height	2 $\frac{1}{4}$	57	36 units
	Depth	9 $\frac{13}{16}$	250	
	Length 1	9	229	
	Length 2	7 $\frac{7}{16}$	189	
B	Height	2 $\frac{1}{4}$	57	72 units
	Depth	9 $\frac{13}{16}$	250	
	Length 1	12	305	
	Length 2	10 $\frac{7}{16}$	265	
C	Height	2 $\frac{1}{4}$	57	36 units
	Depth	9 $\frac{13}{16}$	250	
	Length 1	15	381	
	Length 2	13 $\frac{7}{16}$	341	

Rock Garden Brown

Victoria

Riviera

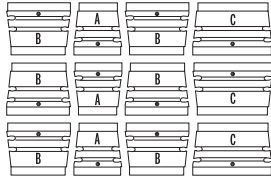




PRESCOTT 4.5"

DESCRIPTION: Wall double-sided **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES




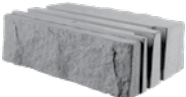
When building a double-sided wall one pallet will cover an average of 25.23 ft².

* 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: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 for more technical information.

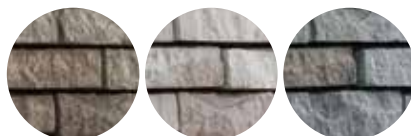
Specifications per pallet	Imperial	Metric
Cubing	27 ft²	2.51 m ²
	72 lin. ft	21.95 lin. m
Approx. Weight	2 728 lbs	1 237 kg
Minimum radius	5.2 ft	1.6 m
Number of rows	6	
Coverage per row	4.50 ft ²	0.42 m ²
Linear coverage per row	12 lin. ft	3.66 lin. m

	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	

Rock Garden Brown

Victoria

Riviera

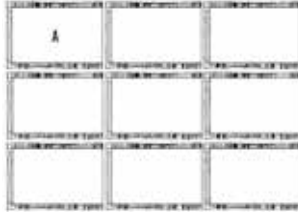




PRESCOTT

DESCRIPTION: Corners and pillars **TEXTURE:** Natural stone

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 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

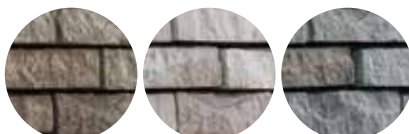


Unit dimensions	in	mm	Units/pallet
Height	4 ½	114	36 units
Depth	9 13/16	250	
Length	14 3/16	360	

Rock Garden Brown

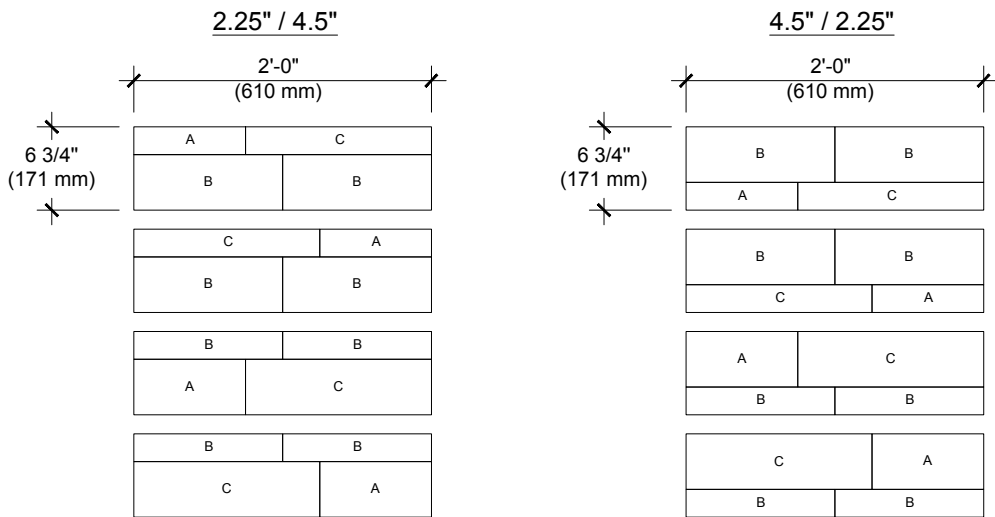
Victoria

Riviera

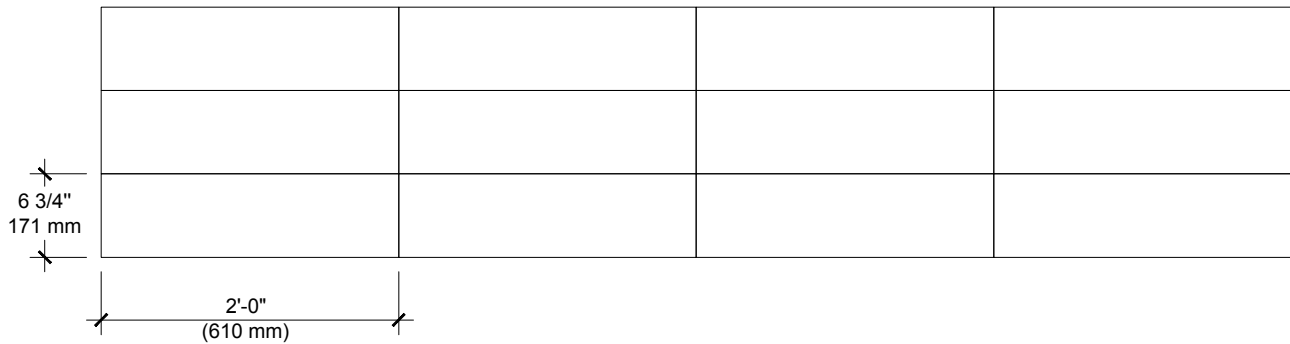


PRESCOTT RETAINING WALL – LAYING PATTERNS

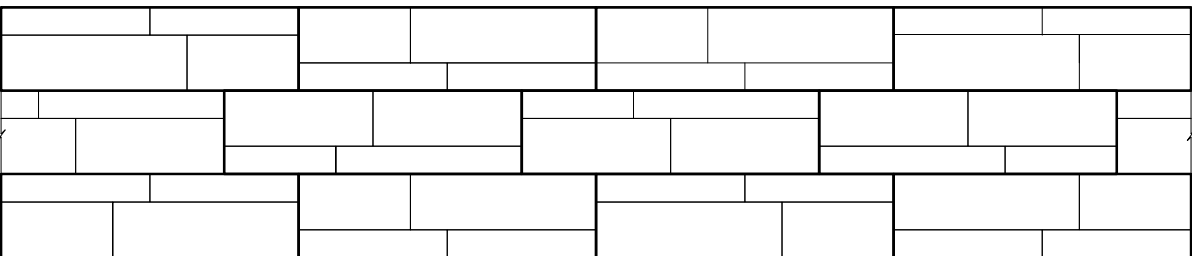
The different modules of the Prescott retaining wall allow the installation of different block combinations. Eight combinations are shown as an example. Each combination is 24" (610 mm) long and 6 3/4" (171 mm) high.



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".

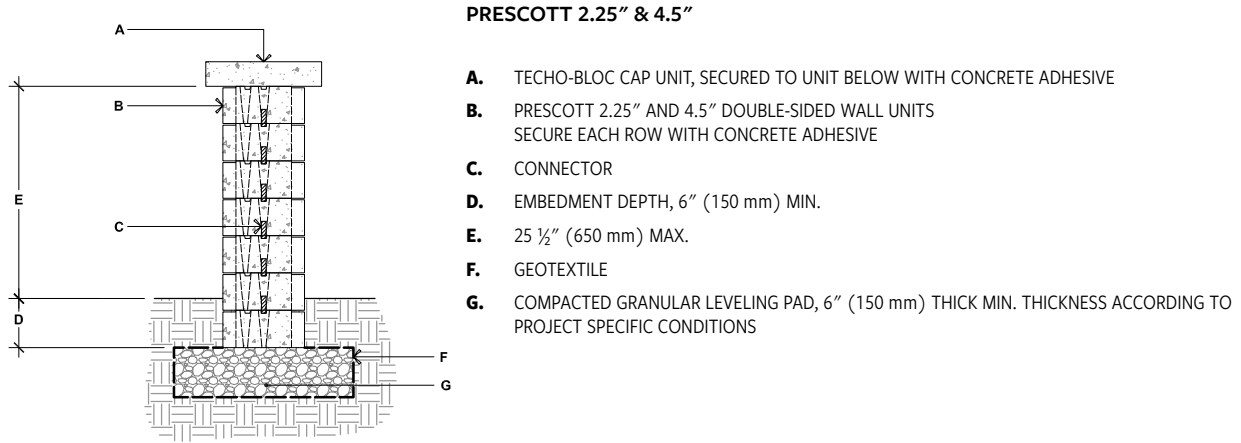


Percentage of blocks required
Prescott 2.25": 33 % of the surface
Prescott 4.5": 67 % of the surface

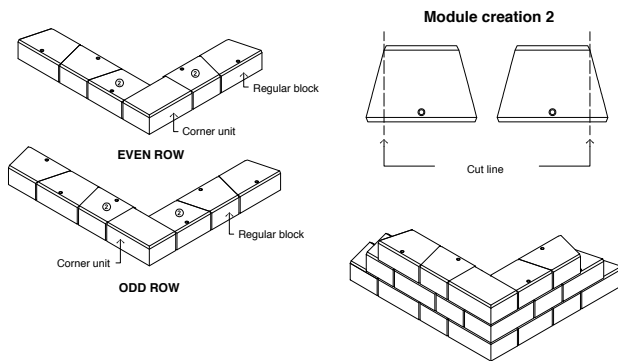


INSTALLATION GUIDE

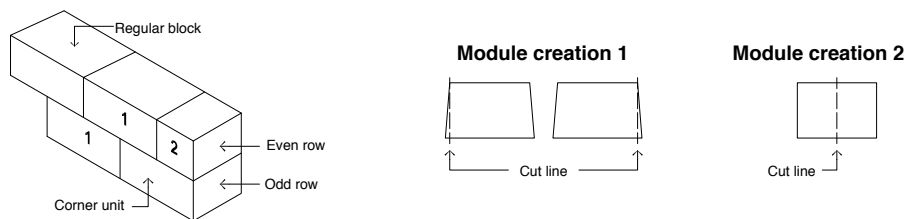
FREESTANDING WALLS - PRESCOTT 2.25" & 4.5"



90° CORNER OF A DOUBLE-SIDED WALL



DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



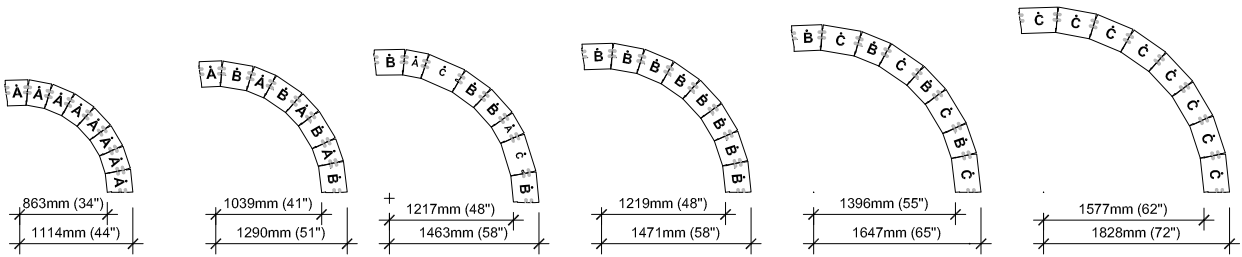
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete 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.

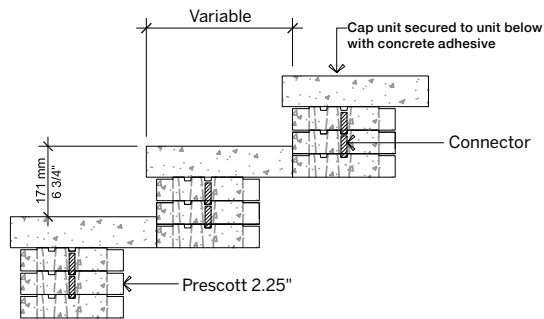
INSTALLATION GUIDE

DOUBLE-SIDED WALL RADIUS - PRESCOTT 2.25" & 4.5"



It is the user's responsibility to verify for the quantity of materials required.

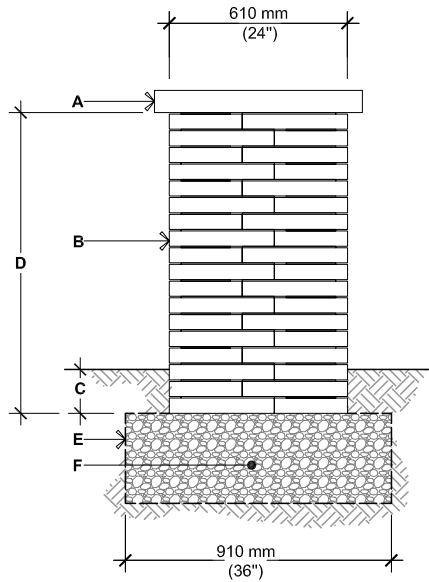
STEPS



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

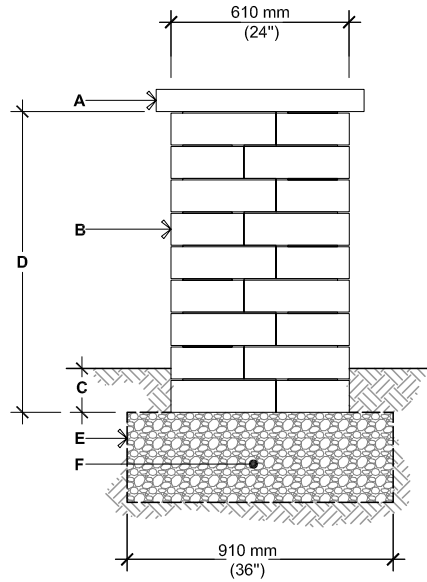
INSTALLATION GUIDE

PILLARS - PRESCOTT 2.25" & 4.5"



PRESCOTT 2.25"

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE 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



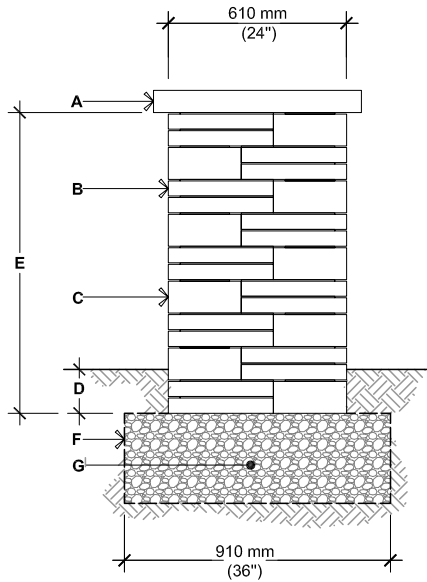
PRESCOTT 4.5"

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE 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 106

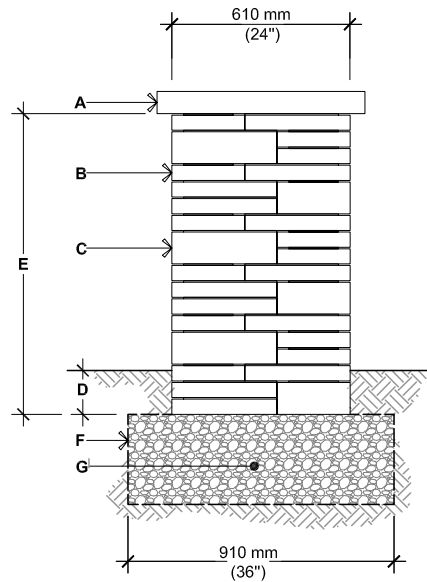
INSTALLATION GUIDE

PILLARS - PRESCOTT 2.25" & 4.5"



PRESCOTT 2.25" & 4.5"
OPTION A

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE ADHESIVE
- C.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 40 1/2" (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 CONCRETE ADHESIVE)
- B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE ADHESIVE
- C.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW
WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 40 1/2" (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

For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

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

A	


Specifications per pallet		Imperial	Metric
90 mm	Cubing	23.08 ft²	2.14 m ²
		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 ft ²	0.71 m ²
	Linear coverage per row	26.05 lin ft	7.94 lin m

PALLET OVERVIEW - 180 MM

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 m ²
		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 ft ²	0.71 m ²
	Linear coverage per row	13.02 lin ft	3.97 lin m

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	



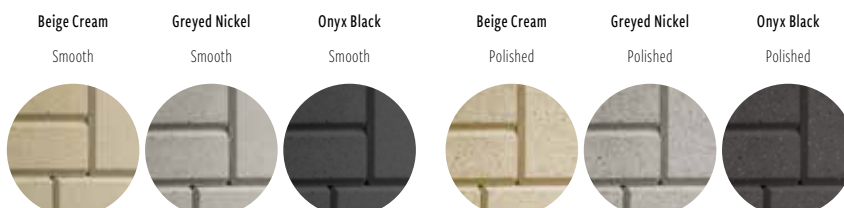
COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

Polished products are available on order only. Polished only on one side, Smooth on the other side.

See page 102 to 122 for more technical information.

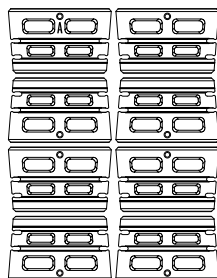




RAFFINATO 90 & 180 mm

DESCRIPTION: Wall double-sided **TEXTURE:** Smooth

PALLET OVERVIEW 90 MM & 180 MM



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

When building a double-sided wall one pallet will cover an average of 23.53 ft².

See page 102 to 122 for more technical information.

Specifications per pallet		Imperial	Metric
90 mm	Cubing	24.61 ft²	2.29 m ²
		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 ft ²	0.29 m ²
	Linear coverage per row	10.42 lin. ft	3.18 lin. m



Unit dimensions		in	mm	Units/pallet
A	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 m ²
		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 ft ²	0.57 m ²
	Linear coverage per row	10.42 lin. ft	3.18 lin. m



Unit dimensions		in	mm	Units/pallet
A	Height	7 ¹ / ₁₆	180	32 units
	Depth	9 ¹³ / ₁₆	249	
	Length 1	15 ⁵ / ₈	397	
	Length 2	14 ¹ / ₄	362	

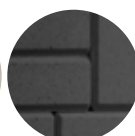
Beige Cream
Smooth



Greyed Nickel
Smooth



Onyx Black
Smooth



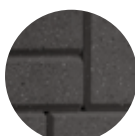
Beige Cream
Polished



Greyed Nickel
Polished



Onyx Black
Polished

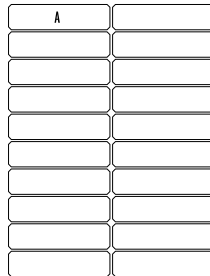




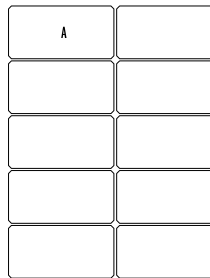
RAFFINATO 90 & 180 mm

DESCRIPTION: Pillars, corners and edges **TEXTURE:** Polished (on a single-side only)

PALLET OVERVIEW - 90 MM



PALLET OVERVIEW - 180 MM



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

Polished products are available on order only. Polished only on one side, Smooth on the other side.

See page 102 to 122 for more technical information.

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 $\frac{7}{16}$ "	900 mm



Unit dimensions	in	mm	Units/pallet
Height	3 $\frac{7}{16}$	90	40 units
Depth	9 $\frac{3}{4}$	248	
Length	14 $\frac{1}{16}$	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 $\frac{7}{16}$ "	900 mm



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

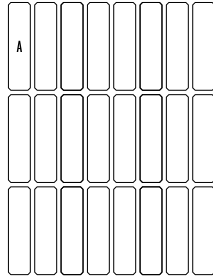




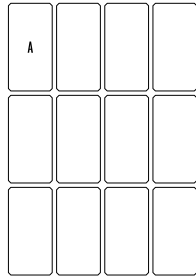
RAFFINATO 90 & 180 mm

DESCRIPTION: Pillars, corners and edges **TEXTURE:** Smooth

PALLET OVERVIEW - 90 MM



PALLET OVERVIEW - 180 MM



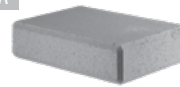
COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

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 ⅞	90	48 units
Depth	9 ⅓	249	
Length	14 ⅛	359	

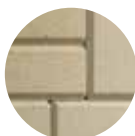
Specifications per pallet		Imperial	Metric
180 mm	Cubing	24 units	24 units
	Approx. Weight	1 529 lbs	694 kg
	Number of rows	2	
	Pillar height	42 ½ in	1 080 mm



Unit dimensions	in	mm	Units/pallet
Height	7 ⅞	180	24 units
Depth	9 ⅓	249	
Length	14 ⅛	359	

Beige Cream

Smooth



Greyed Nickel

Smooth



Onyx Black

Smooth



Beige Cream

Polished



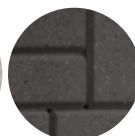
Greyed Nickel

Polished



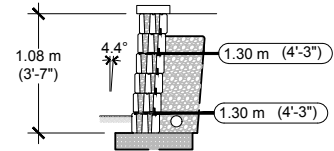
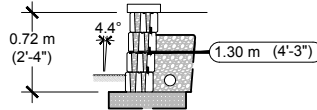
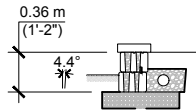
Onyx Black

Polished

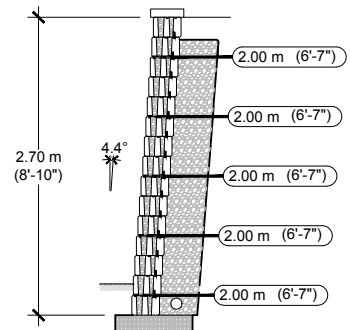
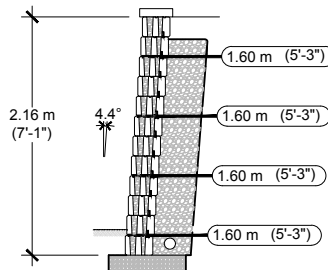
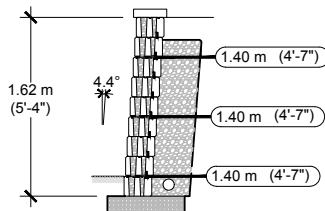


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT



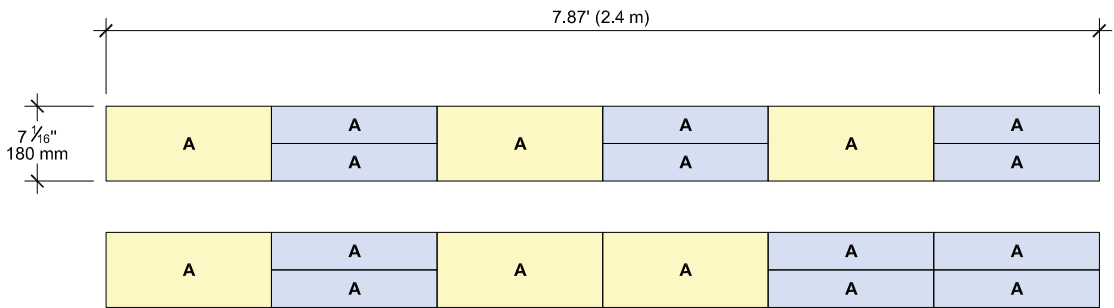
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 Teho-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 150 mm (6 in) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Teho-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

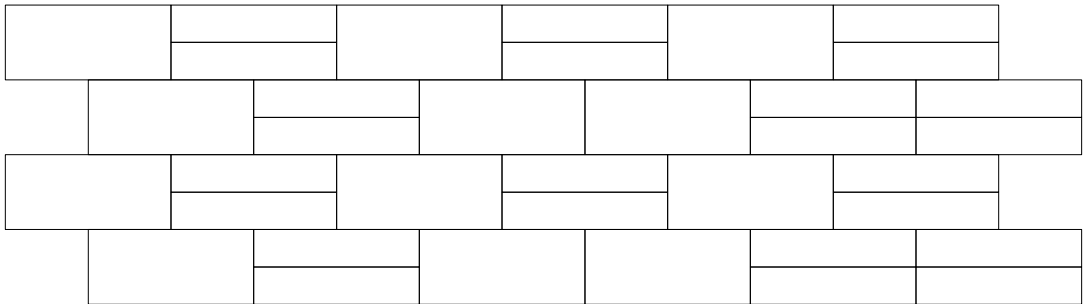
1-Row Pattern | Laying Patterns

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

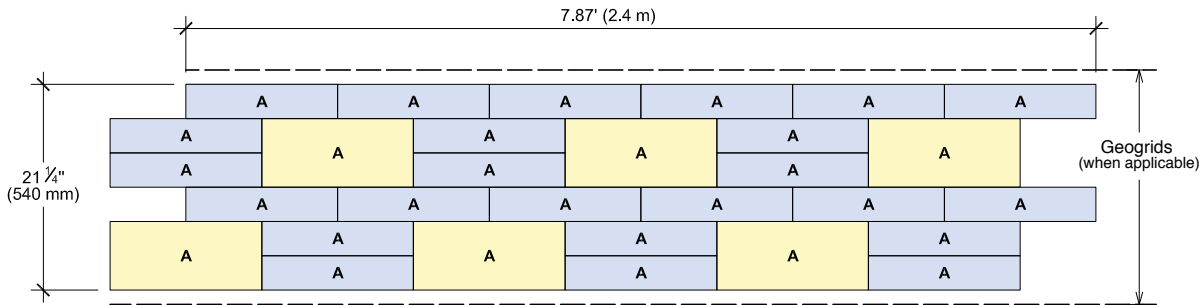


INSTALLATION GUIDE

RETAINING WALLS - RAFFINATO 90 mm & 180 mm

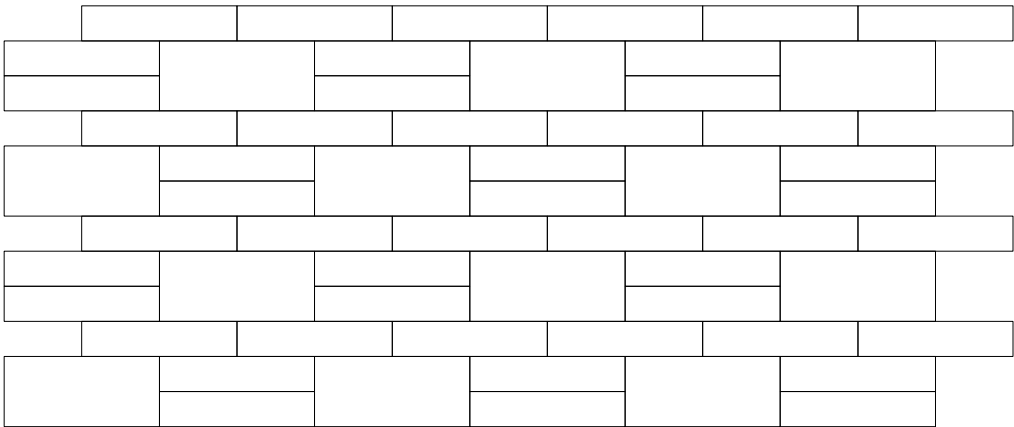
3-Row Pattern | Laying Patterns

The 3-row model is 2.4 m (7.87') long and 540 mm (21 1/4") high. This model allows for a graded area at every 540 mm (21 1/4"), 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

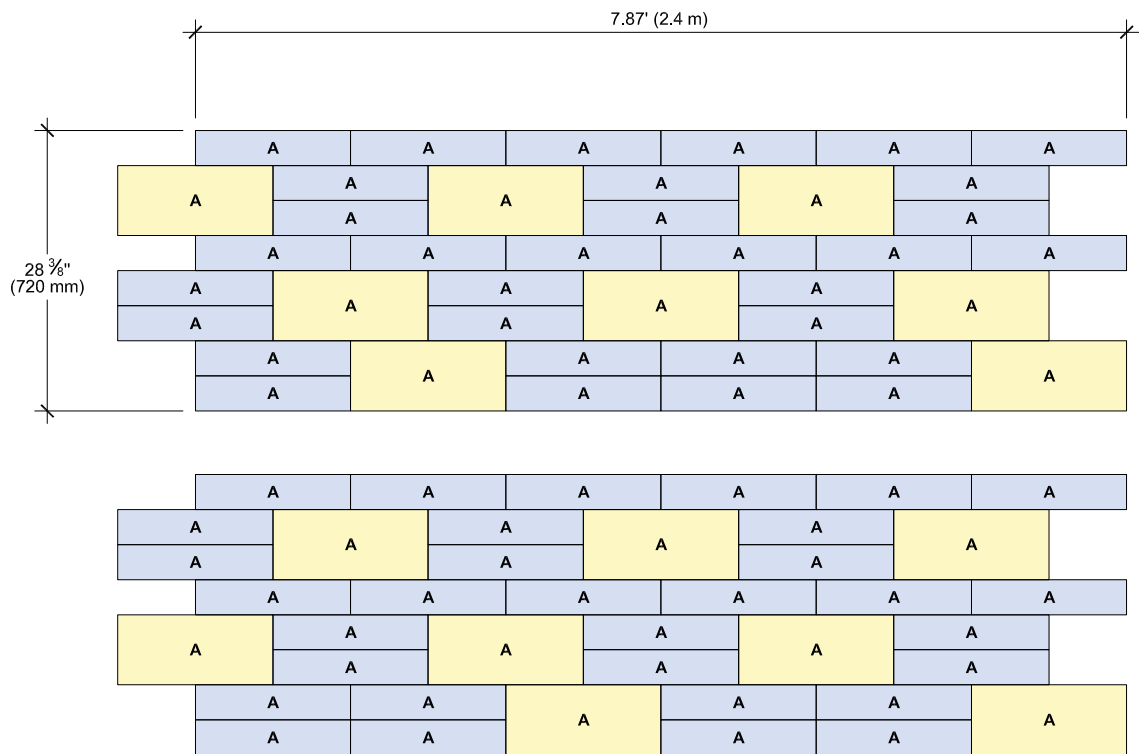


INSTALLATION GUIDE

RETAINING WALLS - RAFFINATO 90 mm & 180 mm

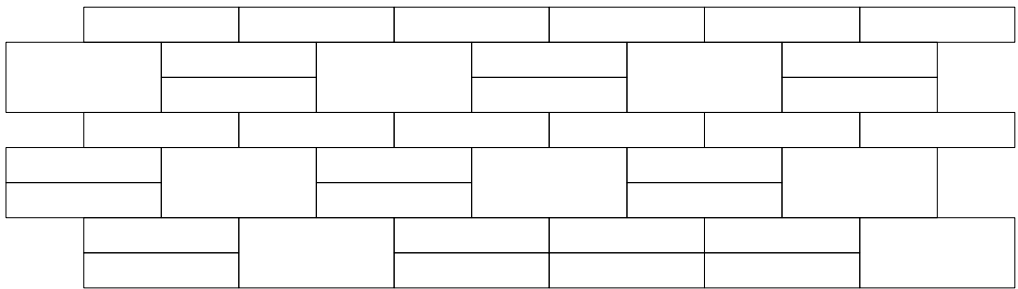
4-Row Pattern | Laying Patterns

The 4-row model shows two combination examples. This combination is 2.4 m (7,87') long and 720 mm (28 3/8") high. **This model should only be used where geogrid is not required.**



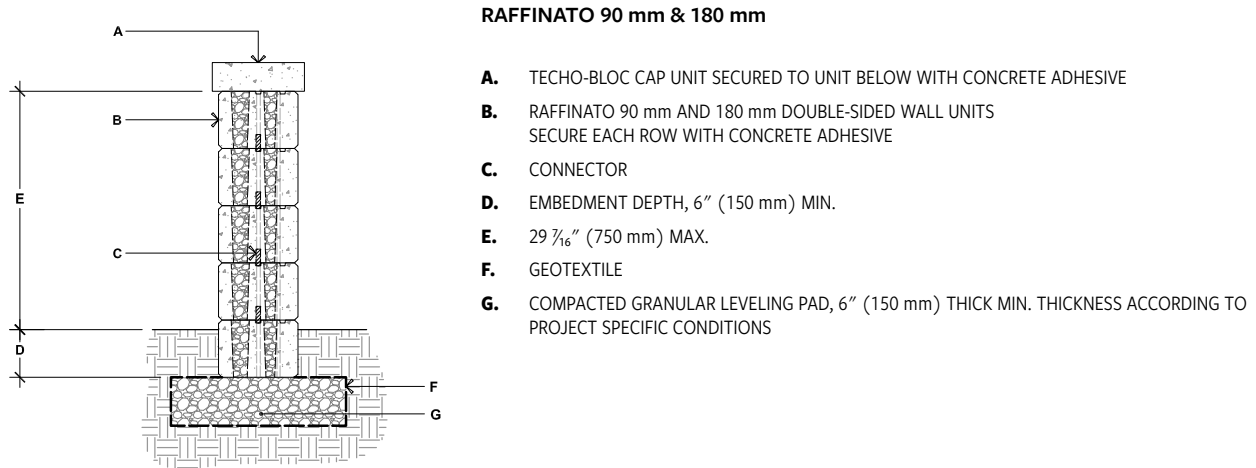
NUMBER OF BLOCKS REQUIRED MODULE

RAFFINATO	A
67 % of the surface - Raffinato 90 mm	32
33 % of the surface - Raffinato 180 mm	8

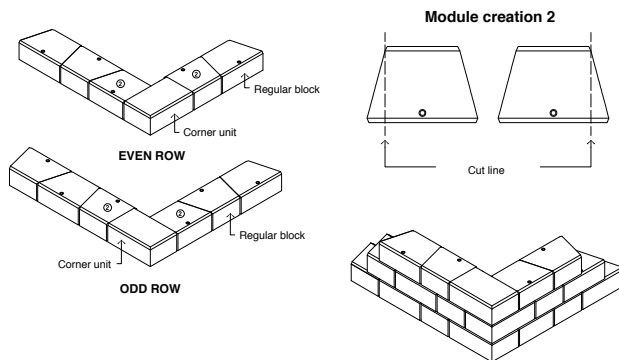


INSTALLATION GUIDE

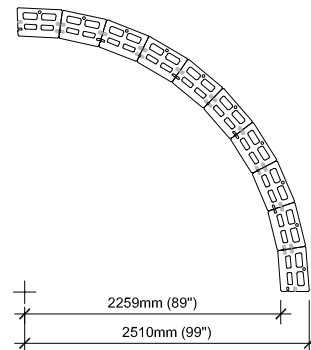
FREESTANDING WALLS - RAFFINATO 90 mm & 180 mm



90° CORNER OF A DOUBLE-SIDED WALL

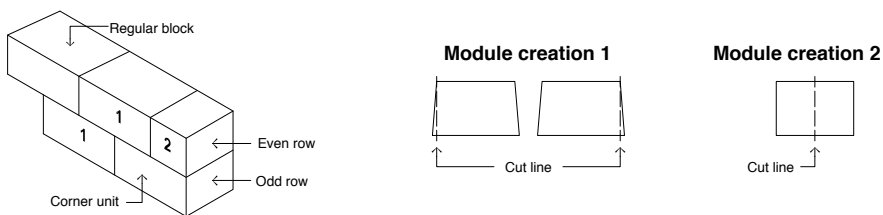


DOUBLE-SIDED WALL RADIUS



It is the user's responsibility to verify for the quantity of materials required.

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



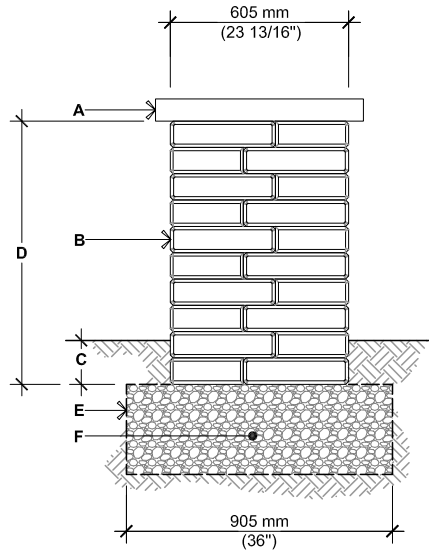
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete 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.

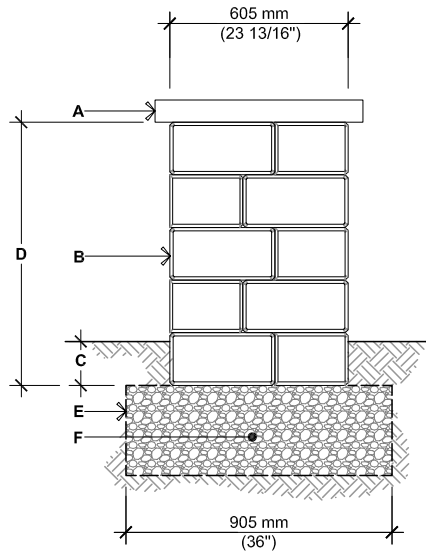
INSTALLATION GUIDE

PILLARS - RAFFINATO 90 mm & 180 mm



RAFFINATO 90 mm

- A.** STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- D.** 1080 mm (42 1/2"), MAXIMUM HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



RAFFINATO 180 mm

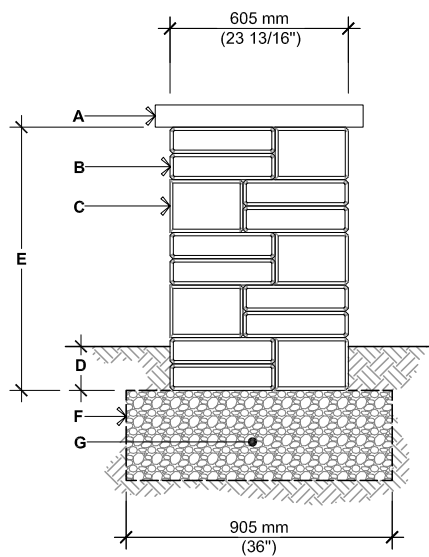
- A.** STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- D.** 1080 mm (42 1/2"), MAXIMUM HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 150 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 106

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

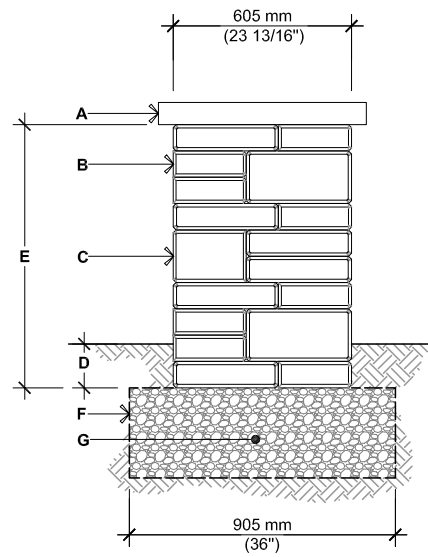
INSTALLATION GUIDE

PILLARS - RAFFINATO 90 mm & 180 mm



RAFFINATO 90 mm & 180 mm
OPTION A

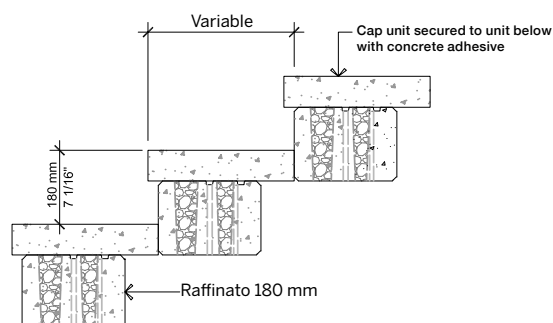
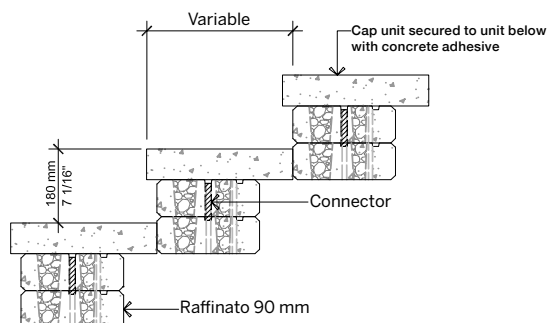
- A.** STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- B.** RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- E.** 1 080 mm (42 1/2"), 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 A CONCRETE ADHESIVE
- B.** RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- E.** 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

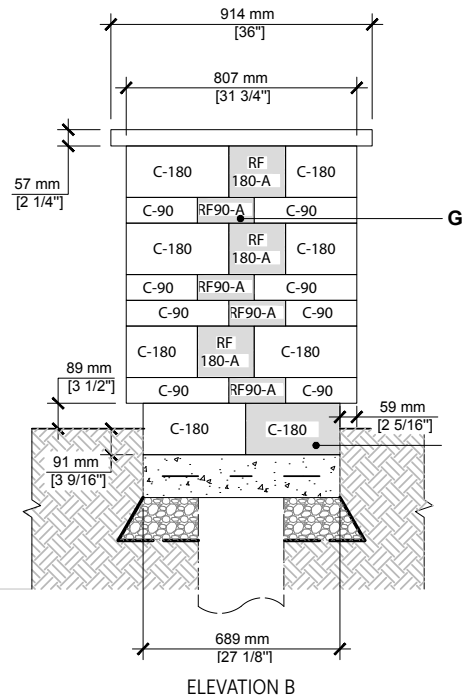
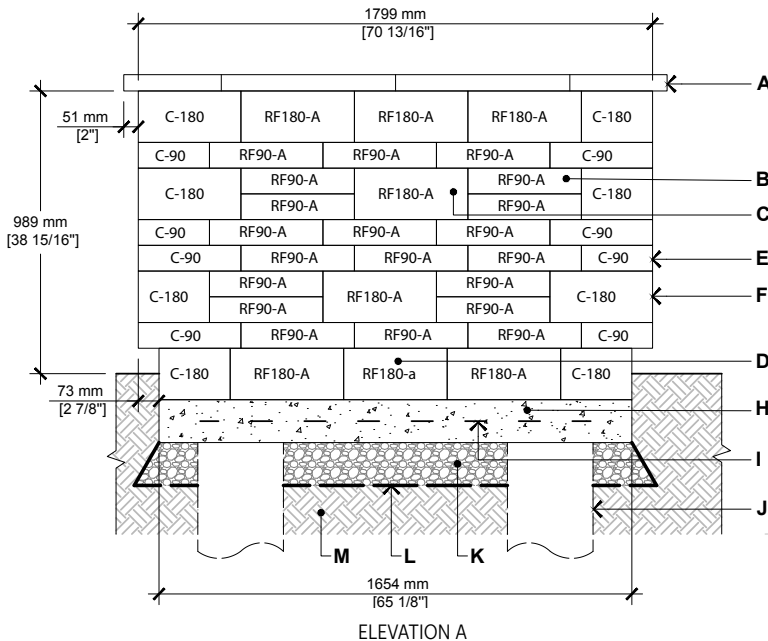
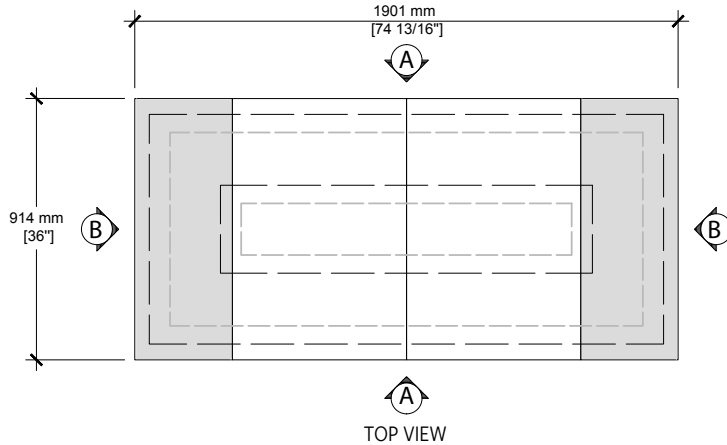
STEPS



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106
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



- A.** YORK COUNTER TOP 24" × 36" × 2 1/4" (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

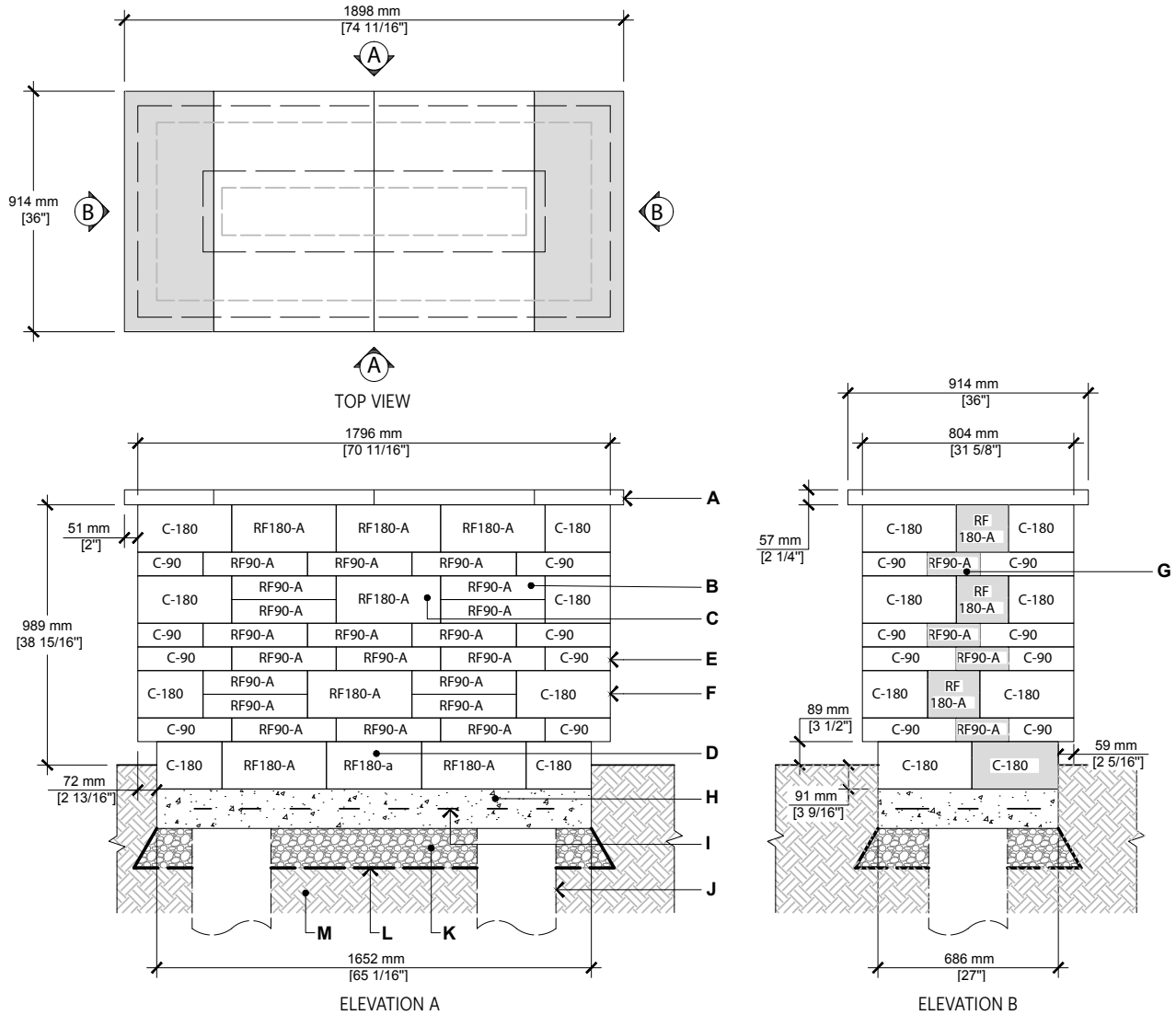
QUANTITY OF MATERIALS REQUIRED

- York Counter top 24" × 36" × 2 1/4": **4**
- Raffinato 90 mm wall unit: **48 A**
- Raffinato 180 mm wall unit: **22 A**
- Raffinato 90 mm pillar unit: **16**
- Raffinato 180 mm pillar unit: **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.

INSTALLATION GUIDE

GRILL ISLAND - RAFFINATO POLISHED 90 mm & 180 mm



- A.** YORK COUNTER TOP 24" × 36" × 2 1/4" (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 1/4": **4**
- Raffinato 90 mm wall unit: **48 A**
- Raffinato 180 mm wall unit: **22 A**
- Raffinato 90 mm pillar unit: **16**
- Raffinato 180 mm pillar unit: **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.

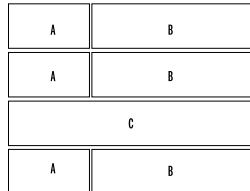
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



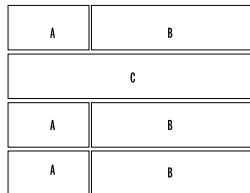
RÖCKA

DESCRIPTION: Wall & edge double-sided **TEXTURE:** Natural stone (Fossil stone)

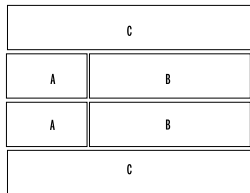
PALLET OVERVIEW - ROW 1



PALLET OVERVIEW - ROW 2



PALLET OVERVIEW - ROW 3



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 102 to 122 for more technical information.

The dimensional tolerance for Stonedge wet cast retaining wall units is: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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.

Specifications per pallet	Imperial	Metric
Cubing	19.88 ft²	1.85 m ²
Approx. Weight	1 860 lbs	844 kg
Number of rows	3	
Coverage per row	6.63 ft ²	0.62 m ²
Coverage per unit	A 0.55 ft ²	0.05 m ²
	B 1.10 ft ²	0.10 m ²
	B 1.66 ft ²	0.15 m ²



Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth 1	7 $\frac{3}{4}$	197	
Depth 2	8	203	
Length	13 $\frac{1}{4}$	337	

B

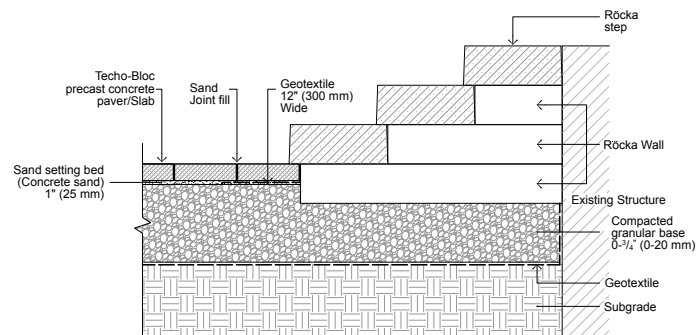


Height	6	152	8 units
Depth 1	7 $\frac{3}{4}$	197	
Depth 2	8	203	
Length	26 $\frac{1}{2}$	673	

C



Height	6	152	4 units
Depth 1	7 $\frac{3}{4}$	197	
Depth 2	8	203	
Length	39 $\frac{3}{4}$	1 010	



Chocolate Brown

Rock Garden Brown

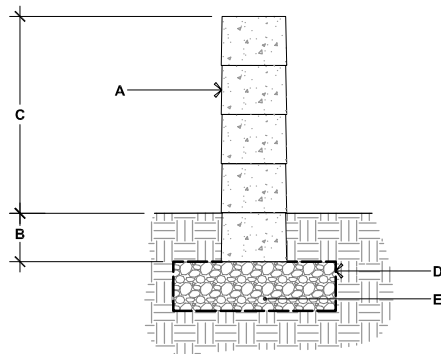
Baja Beige

Riviera



INSTALLATION GUIDE

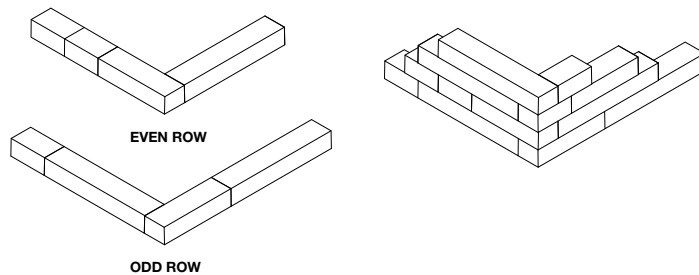
FREESTANDING WALLS - RÖCKA



RÖCKA

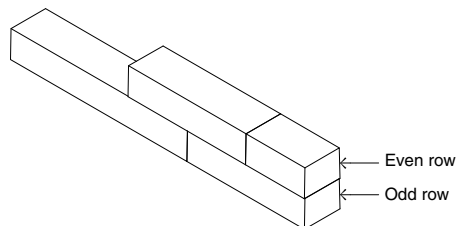
- A.** RÖCKA DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE
- B.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- C.** 24" (612 mm) MAX.
- D.** GEOTEXTILE
- E.** COMPACTED GRANULAR LEVELING PAD, 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

90° CORNER OF A DOUBLE-SIDED WALL



1. Alternate odd and even rows
2. Stagger vertical joints by at least $\frac{1}{4}$ of the length of the block.
3. Glue all modules at each row with a concrete adhesive.
4. It is possible to alternate the blocks (A, B or C) in the same row to create different patterns.

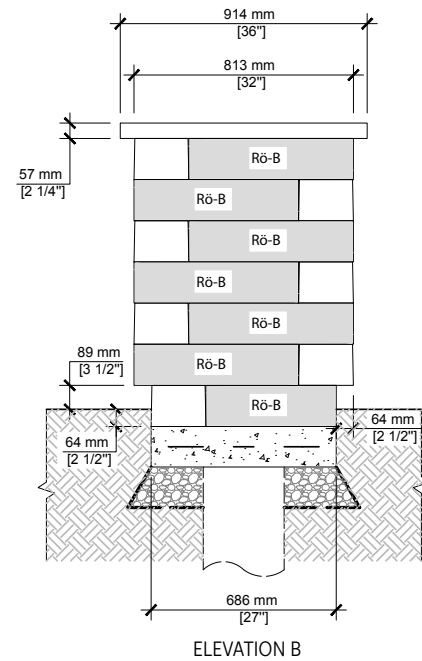
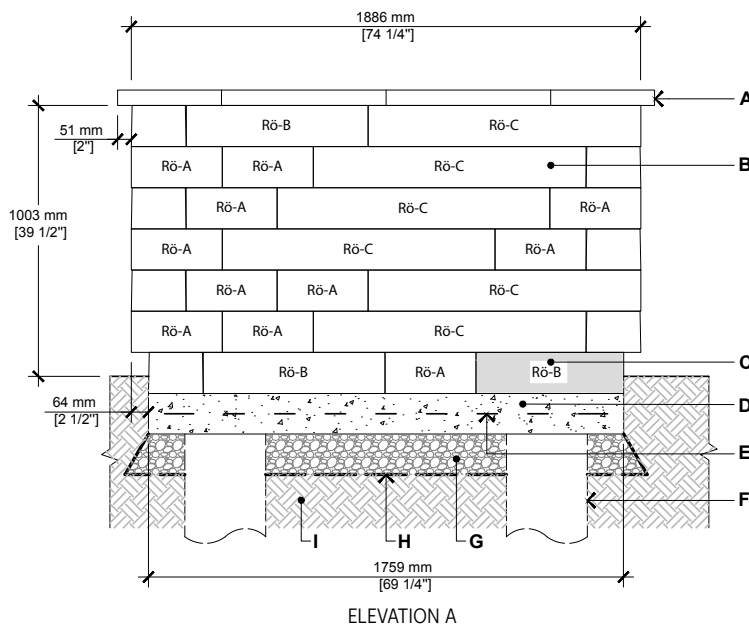
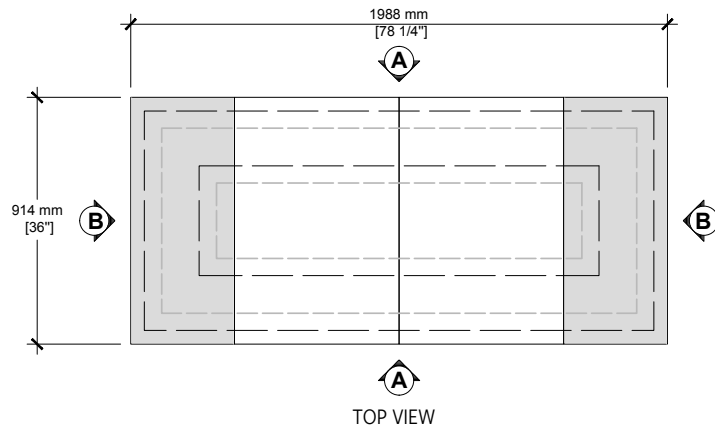
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



* It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a minimum distance of $\frac{1}{4}$ 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 1/4" (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" x 36" x 2 1/4": **4**
- Röcka wall unit: **22 A, 20 B, 12 C**

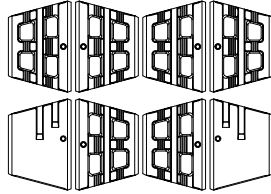
NOTE: Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant 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.



SEMMA

DESCRIPTION: Wall double-sided **TEXTURE:** Split Face

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 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.

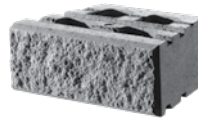
The corner unit can be used as a right or left corner unit and as a regular unit.
Metric measures are approximate.

See page 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
	40 units	40 units
Cubing	26.25 ft ²	2.44 m ²
	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 ft ²	0.49 m ²
Linear coverage per row	10.67 lin. ft	3.25 lin. m



REGULAR



B

CORNER



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	30 units
Depth	11	279	
Length 1	16	406	
Length 2	10 1/2	266	
Height	5 7/8	150	10 units
Depth	11	279	
Length 1	16	406	
Length 2	10 1/2	266	

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

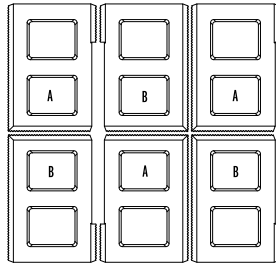




SEMMMA

DESCRIPTION: Corner or Pillar **TEXTURE:** Split Face

PALLET OVERVIEW



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



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

Chestnut Brown



Sandlewood



Champlain Grey

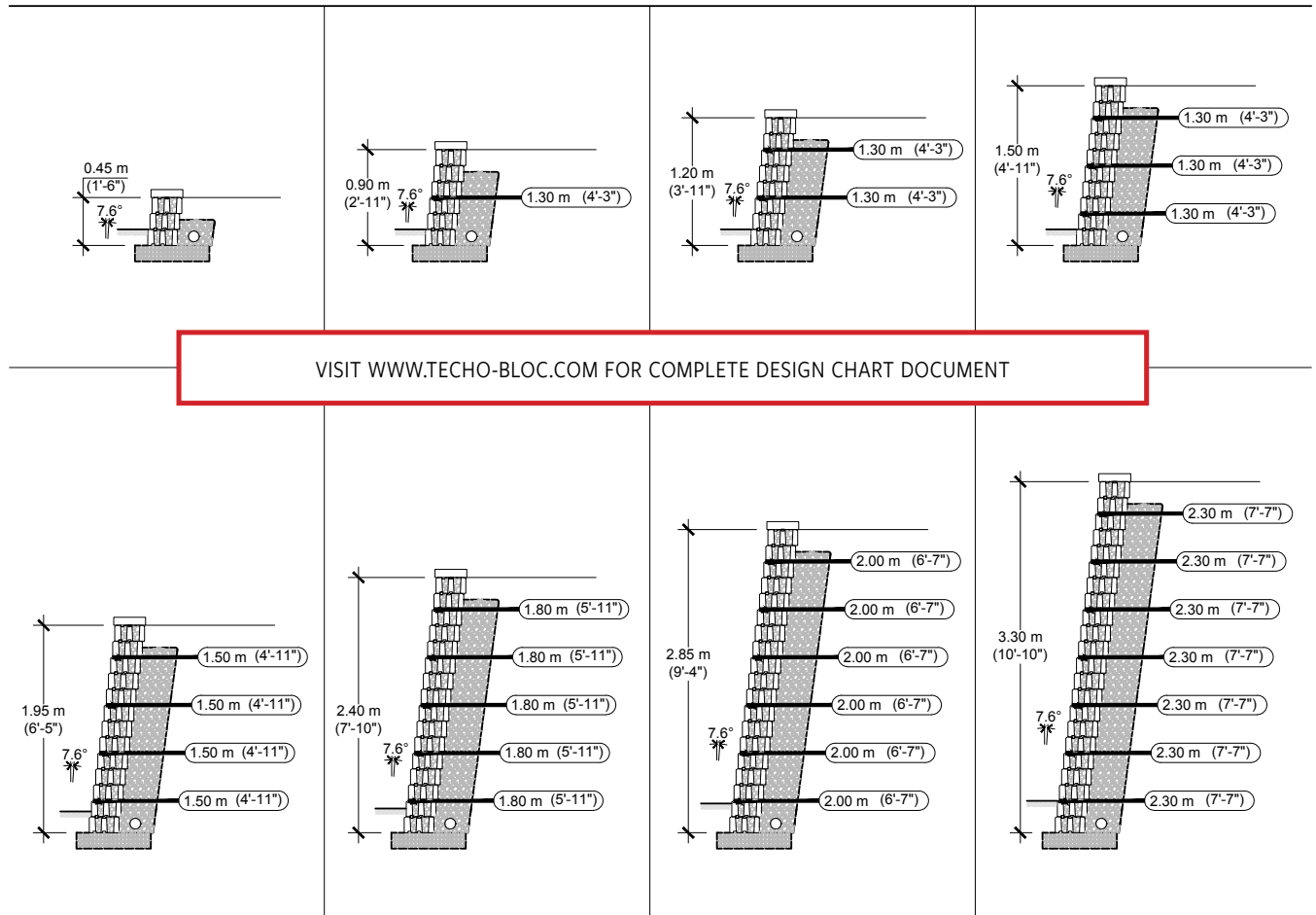


Shale Grey



REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
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

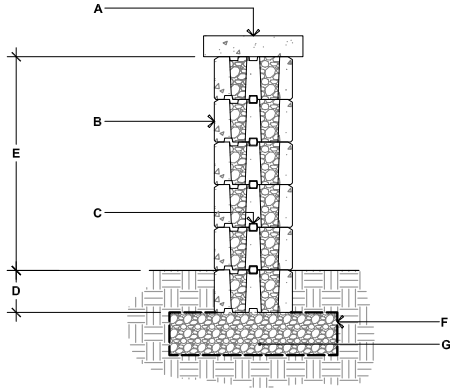


1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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

FREESTANDING WALLS - SEMMA

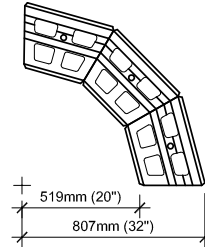
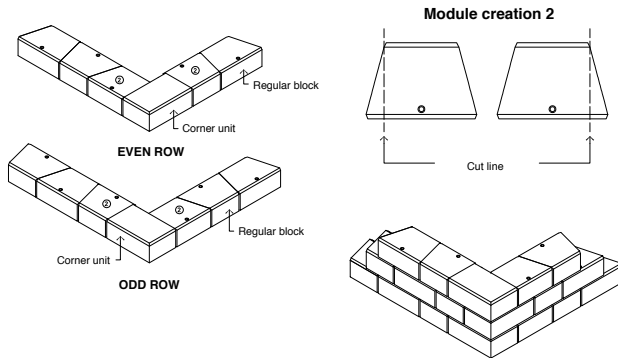
SEMMA



- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** SEMMA DOUBLE-SIDED WALL UNIT SECURE EACH ROW WITH CONCRETE 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

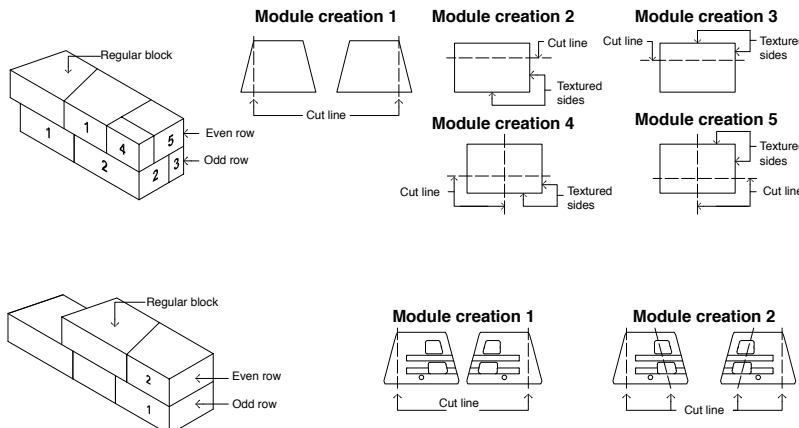
90° CORNER OF A DOUBLE-SIDED WALL

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 a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

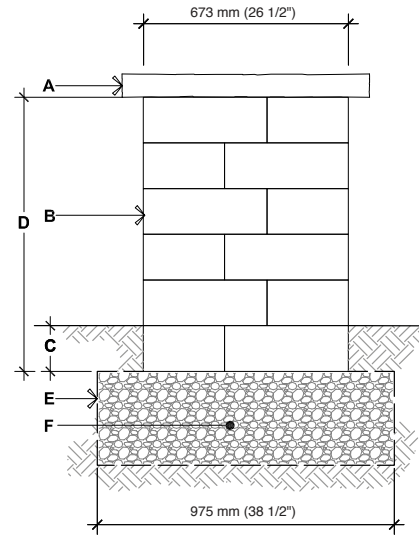
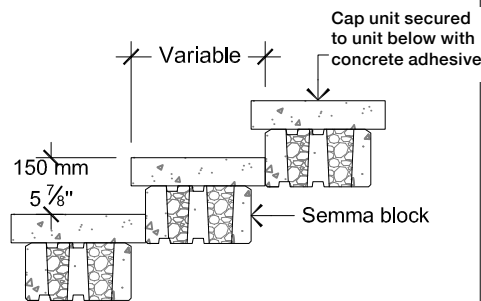
INSTALLATION GUIDE

PILLARS - SEMMA



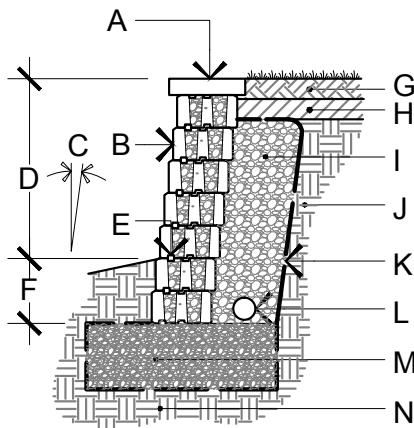
- A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- B.** SEMMA PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** EMBEDMENT 6" (150 mm) MIN.
- D.** 35 7/16" (900 mm), HEIGHT PER PALLET 47 1/4" (1200 mm), MAXIMUM HEIGHT
- E.** GEOTEXTILE
- F.** COMPACTED GRANULAR BASE 6" (150mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

STEPS



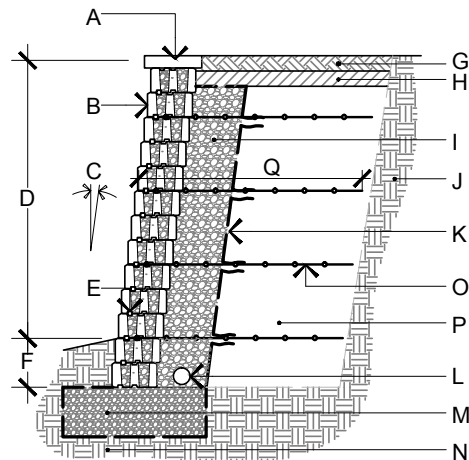
For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

GRAVITY AND REINFORCED WALLS - SEMMA



GRAVITY WALL DETAIL

- A.** CAP FROM TECO-BLOC
- B.** SEMMA BLOCK FROM TECO-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.

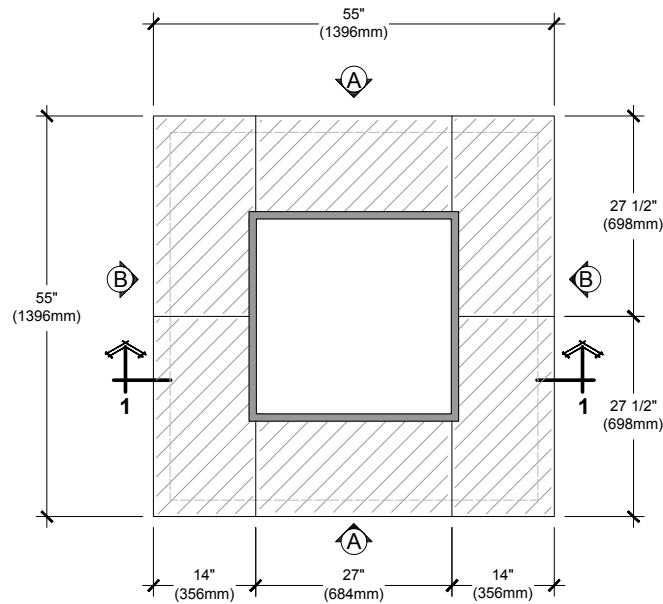


REINFORCED WALL DETAIL

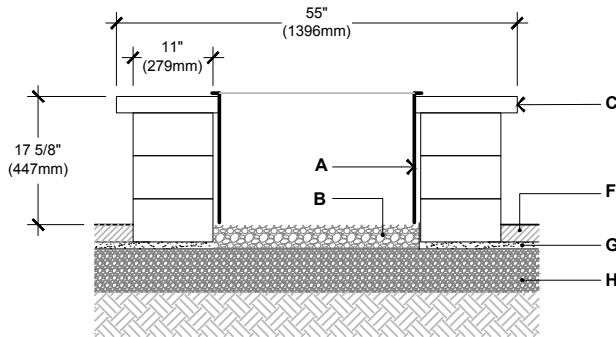
- J.** RETAINED SOIL
- K.** GEOTEXTILE
- L.** PERFORATED DRAIN
- M.** LEVELING PAD
- N.** FOUNDATION SOIL
- O.** GEOGRID
- P.** REINFORCED SOIL
- Q.** GEOGRID LENGTH

INSTALLATION GUIDE

FIREPIT - SEMMA

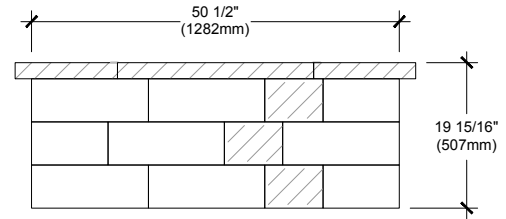


TOP

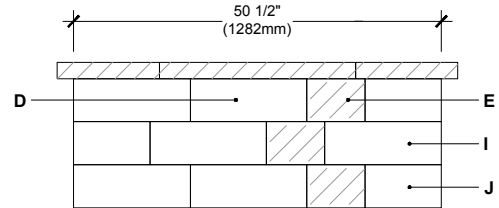


SECTION 1-1

- 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. TECO-BLOC PAVERS OR SLABS
- G. SETTING BED 1" (25 mm)
- H. COMPACTED GRANULAR 0- 3/4" (0-20 mm)
- I. SEMMA PILLAR UNIT (RIGHT CORNER)
- J. SEMMA PILLAR UNIT (LEFT CORNER)



ELEVATION A



ELEVATION B

 CUT ON FIELD

QUANTITY OF MATERIALS REQUIRED

Piedimonte Cap (14"x30"): 6
Semma (A or B): 24
Semma Pillar: 12 (8 LEFT CORNER, 4 RIGHT CORNERS)

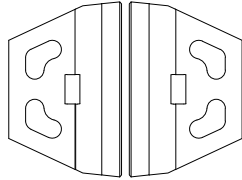
NOTE: Secure the blocks using a heat resistant concrete adhesive.
The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.



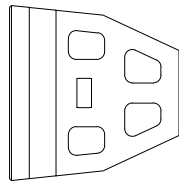
SKYSCRAPER

DESCRIPTION: Wall **TEXTURE:** Smooth

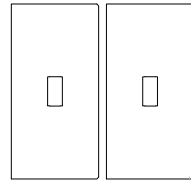
PALLET OVERVIEW - TOP UNIT



PALLET OVERVIEW - MIDDLE UNIT



PALLET OVERVIEW - CORNER UNIT



COMPATIBLE CAPS

See page 106 for product compatibility.

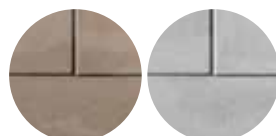
NOTES

Clamp or Mechanical tool available for machine installation. Check with your local Techo-Bloc representative for more information.


See page 102 to 122 for more technical information.

Chestnut Brown


Shale Grey




Specifications per pallet		Imperial	Metric
TOP UNIT	Cubing	12.00 ft²	1.11 m ²
		12.00 lin ft	3.66 lin m
	Approx. Weight	2 100 lbs	953 kg
	Number of rows	2	
	Coverage per row	6.00 ft ²	0.56 m ²
	Linear coverage per row	6.00 lin ft	1.83 lin m

Unit dimensions		in	mm	Units/pallet
	Height	12	305	4 units
	Depth	23 1/4	590	
	Length 1	36	914	
	Length 2	20 3/16	513	

Specifications per pallet		Imperial	Metric
MIDDLE UNIT	Cubing	6.00 ft²	0.56 m ²
		6.00 lin ft	1.83 lin m
	Approx. Weight	1 620 lbs	735 kg
	Number of rows	2	
	Coverage per row	3.00 ft ²	0.28 m ²
	Linear coverage per row	3.00 lin ft	0.91 lin m

Unit dimensions		in	mm	Units/pallet
	Height	12	305	2 units
	Depth	34 7/8	886	
	Length 1	36	914	
	Length 2	17 1/2	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	

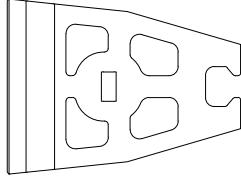
Unit dimensions		in	mm	Units/pallet
	Height	12	305	4
	Depth	18	457	
	Length	36	914	



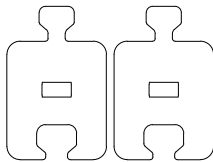
SKYSCRAPER

DESCRIPTION: Wall **TEXTURE:** Smooth

PALLET OVERVIEW - BASE UNIT



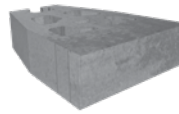
PALLET OVERVIEW - EXTENDER UNIT



Specifications per pallet		Imperial	Metric
BASE UNIT	Cubing	6.00 ft²	0.56 m ²
		6.00 lin ft	1.83 lin m
	Approx. Weight	1 880 lbs	853 kg
	Number of rows	2	
	Coverage per row	3.00 ft ²	0.28 m ²
	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	

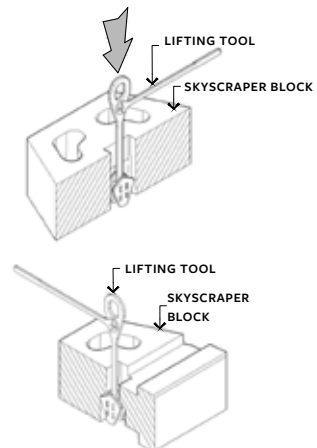
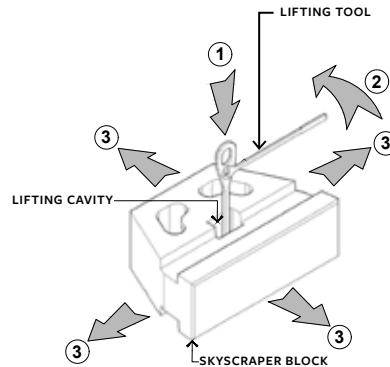


COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

See page 102 to 122 for more technical information.

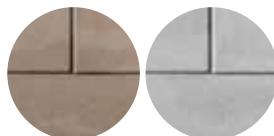


NOTE:

1. INSERT TECO-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

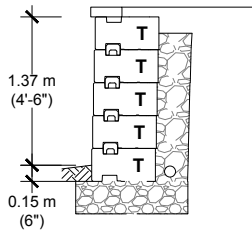


ALLOWABLE STRESS DESIGN

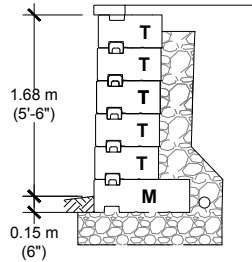
SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope

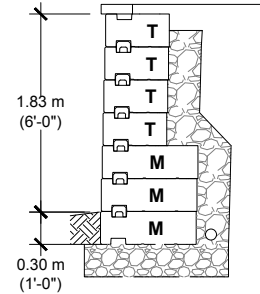
1.52 m (5 ft) Total Height
T: 5



1.83 m (6 ft) Total Height
T: 5
M: 1

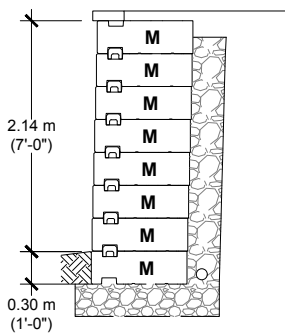


2.13 m (7 ft) Total Height
T: 4
M: 3

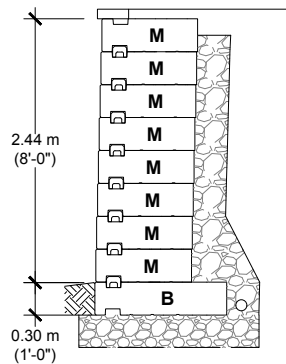


VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT

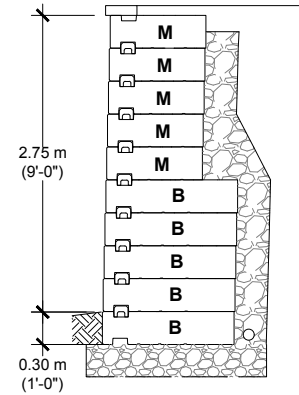
2.44 m (8 ft) Total Height
M: 8



2.74 m (9 ft) Total Height
M: 8
B: 1

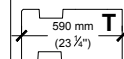


3.05 m (10 ft) Total Height
M: 5
B: 5

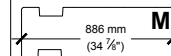


- The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
- The height (H) of the wall does not include the thickness of the cap.
- Soil parameters: retained soil ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$); foundation soil ($\phi=26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
- A qualified engineer should be consulted for the final design to be used for construction.
- 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.
- The seismic analysis is not included.
- The design charts do not apply to tiered walls.
- The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
- Engineering judgement should be used when interpolating between heights.
- 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.
- For further information, please contact our technical service department.

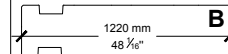
LEGEND :



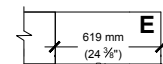
TOP UNIT



MIDDLE UNIT



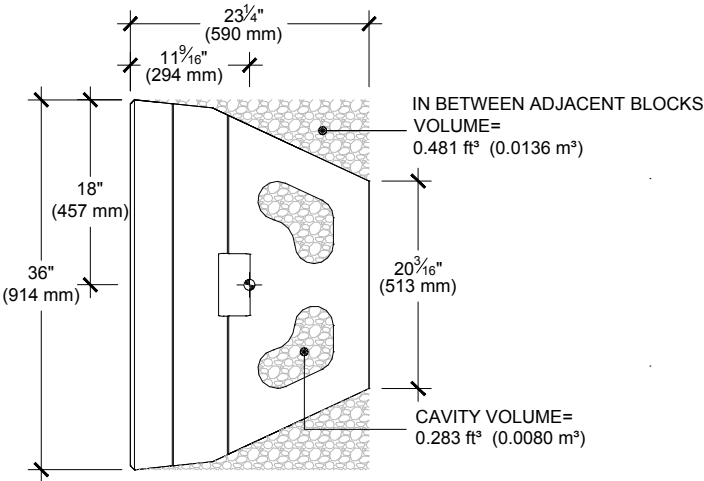
BASE UNIT



EXTENDER UNIT

INSTALLATION GUIDE

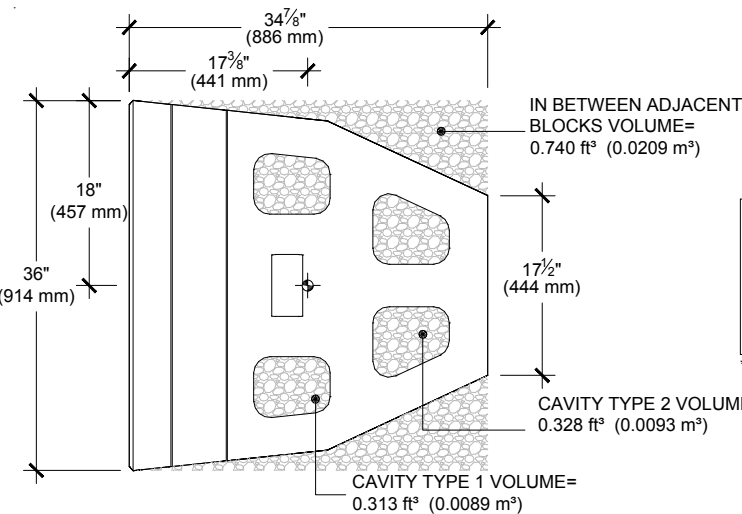
CAVITY INFILL - SKYSCRAPER



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)

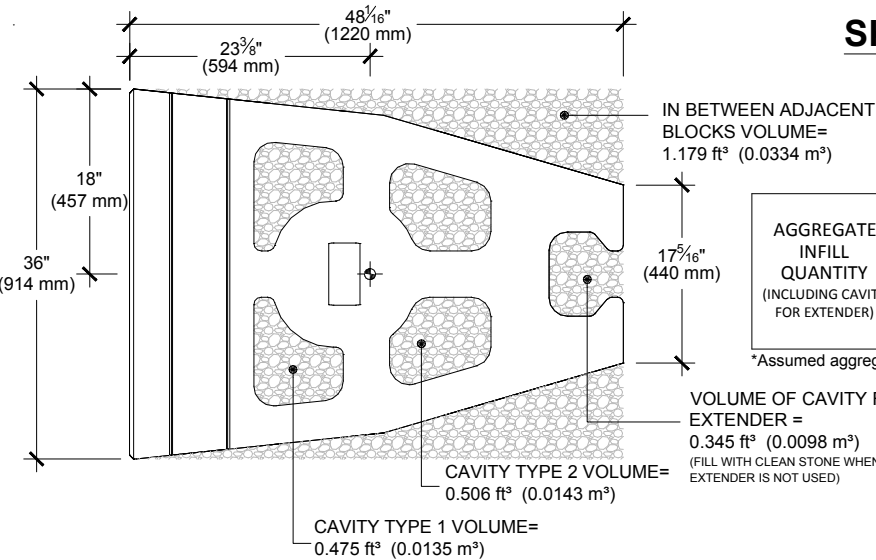
*Assumed aggregate unit weight of 96.8 lb/ft³ (1550 kg/m³)



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 weight of 96.8 lb/ft³ (1550 kg/m³)



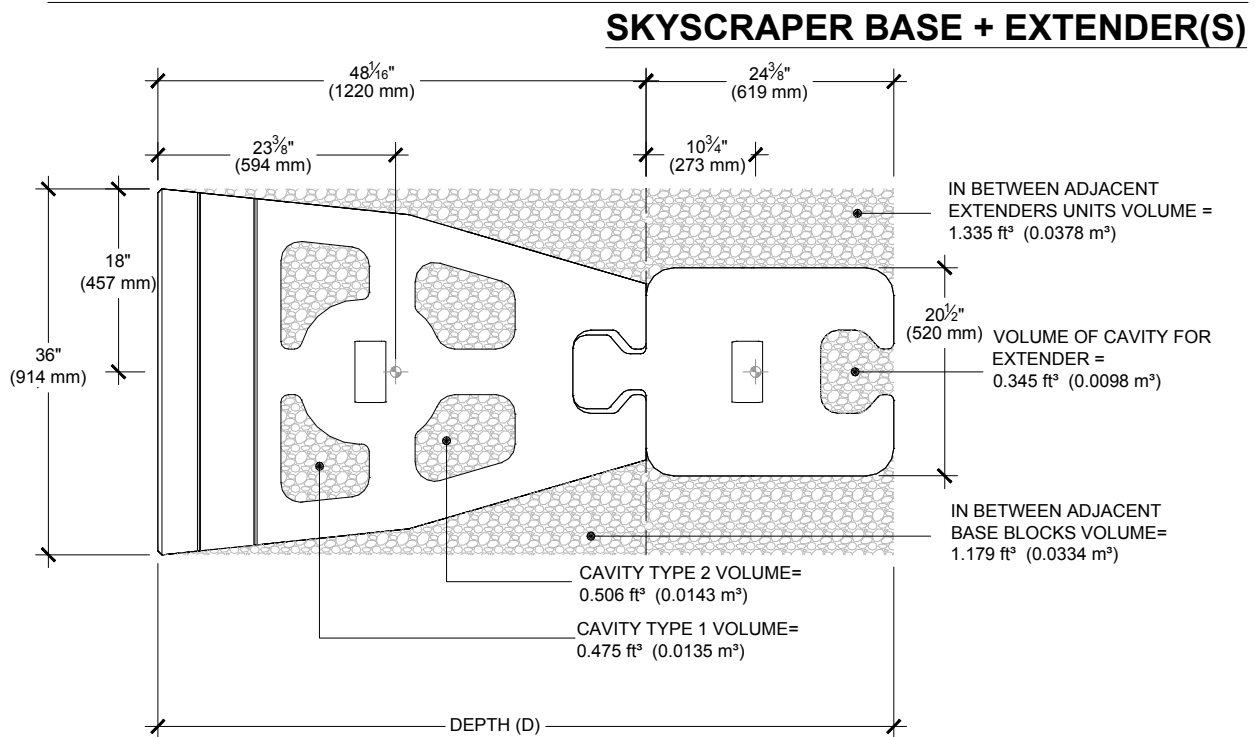
SKYSCRAPER BASE

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 weight of 96.8 lb/ft³ (1550 kg/m³)

INSTALLATION GUIDE

CAVITY INFILL - SKYSCRAPER

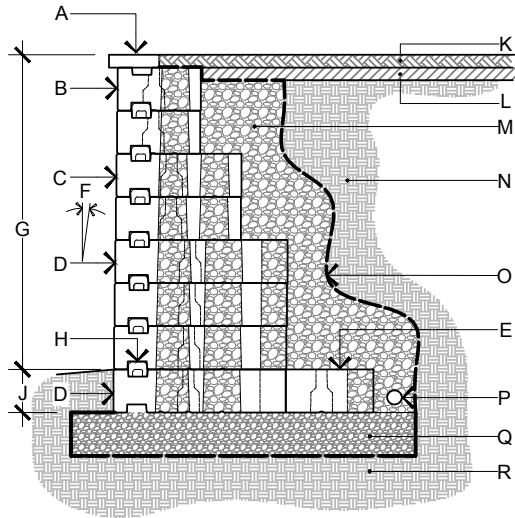


Aggregate Infill Quantity (INCLUDING CAVITY FOR EXTENDER)									
# OF EXTENDERS	DEPTH (D)		PER UNIT				PER WALL AREA		
1	72 3/8 "	1839 mm	$\pm 7.35 \text{ ft}^3$	($\pm 0.208 \text{ m}^3$)	$\pm 711 \text{ lb}$	($\pm 322 \text{ kg}$)	$\pm 2.45 \text{ ft}^3/\text{ft}^2$	($\pm 0.75 \text{ m}^3/\text{m}^2$)	$\pm 237 \text{ lb}/\text{ft}^2$ ($\pm 1163 \text{ kg}/\text{m}^2$)
2	96 3/4 "	2458 mm	$\pm 10.02 \text{ ft}^3$	($\pm 0.283 \text{ m}^3$)	$\pm 970 \text{ lb}$	($\pm 439 \text{ kg}$)	$\pm 3.34 \text{ ft}^3/\text{ft}^2$	($\pm 1.02 \text{ m}^3/\text{m}^2$)	$\pm 323 \text{ lb}/\text{ft}^2$ ($\pm 1581 \text{ kg}/\text{m}^2$)
3	121 1/8 "	3077 mm	$\pm 12.69 \text{ ft}^3$	($\pm 0.359 \text{ m}^3$)	$\pm 1228 \text{ lb}$	($\pm 556 \text{ kg}$)	$\pm 4.23 \text{ ft}^3/\text{ft}^2$	($\pm 1.29 \text{ m}^3/\text{m}^2$)	$\pm 409 \text{ lb}/\text{ft}^2$ ($\pm 2000 \text{ kg}/\text{m}^2$)
4	145 1/2 "	3696 mm	$\pm 15.36 \text{ ft}^3$	($\pm 0.435 \text{ m}^3$)	$\pm 1487 \text{ lb}$	($\pm 674 \text{ kg}$)	$\pm 5.12 \text{ ft}^3/\text{ft}^2$	($\pm 1.56 \text{ m}^3/\text{m}^2$)	$\pm 496 \text{ lb}/\text{ft}^2$ ($\pm 2418 \text{ kg}/\text{m}^2$)
5	169 7/8 "	4315 mm	$\pm 18.03 \text{ ft}^3$	($\pm 0.510 \text{ m}^3$)	$\pm 1745 \text{ lb}$	($\pm 791 \text{ kg}$)	$\pm 6.01 \text{ ft}^3/\text{ft}^2$	($\pm 1.83 \text{ m}^3/\text{m}^2$)	$\pm 582 \text{ lb}/\text{ft}^2$ ($\pm 2837 \text{ kg}/\text{m}^2$)
6	194 1/4 "	4934 mm	$\pm 20.70 \text{ ft}^3$	($\pm 0.586 \text{ m}^3$)	$\pm 2004 \text{ lb}$	($\pm 908 \text{ kg}$)	$\pm 6.9 \text{ ft}^3/\text{ft}^2$	($\pm 2.1 \text{ m}^3/\text{m}^2$)	$\pm 668 \text{ lb}/\text{ft}^2$ ($\pm 3255 \text{ kg}/\text{m}^2$)

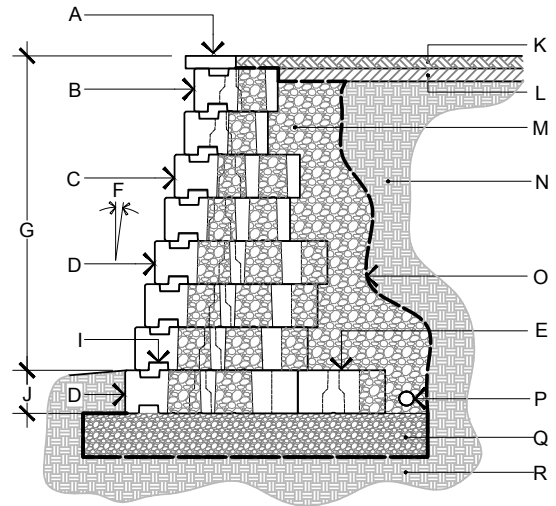
*Assumed aggregate unit weight of $96.8 \text{ lb}/\text{ft}^3$ ($1550 \text{ kg}/\text{m}^3$)

INSTALLATION GUIDE

GRAVITY WALLS - SKYSCRAPER



GRAVITY NEAR VERTICAL WALL DETAIL



GRAVITY INCLINED WALL DETAIL

- A. CAP FROM TECO-BLOC
- B. SKYSCRAPER TOP UNIT FROM TECO-BLOC
- C. SKYSCRAPER MIDDLE UNIT FROM TECO-BLOC
- D. SKYSCRAPER BASE UNIT FROM TECO-BLOC
- E. SKYSCRAPER EXTENDER UNIT FROM TECO-BLOC
- F. WALL INCLINATION:
- 0.8° (NEAR VERTICAL)
- 12.7° (INCLINED)
- G. EXPOSED HEIGHT
- H. PRECAST CONCRETE "U" CONNECTOR

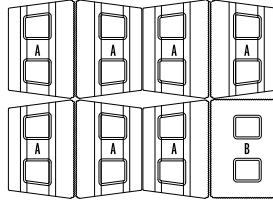
- I. PRECAST CONCRETE "Z" CONNECTOR
- J. EMBEDMENT DEPTH
- K. TOP SOIL
- L. LOW PERMEABILITY SOIL
- M. 3/4" (20 mm) CLEAN STONE, 12" (300 mm) THICK MIN
- N. RETAINED SOIL
- O. GEOTEXTILE
- P. PERFORATED DRAIN
- Q. LEVELING PAD
- R. FOUNDATION SOIL



SUPREMA

DESCRIPTION: Wall **TEXTURE:** Split Face

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

The corners for Suprema have no grooves to accommodate the inserts and must therefore be glued with a concrete adhesive.

The corners can be used as right or left corner units or as a regular unit.

See page 102 to 122 for more technical information.

Only available in Eastern USA. See page 13 for list of Eastern and Midwestern States.

Specifications per pallet	Imperial	Metric
Cubing	24 ft²	2.23 m ²
	36 lin. ft	10.97 lin. m
Approx. Weight	2 583 lbs	1 172 kg
Minimum radius	6 ft	1.82 m
Number of rows	3	
Coverage per row	8 ft ²	0.74 m ²
Linear coverage per row	12 lin. ft	3.66 lin. m



A

Unit dimensions	in	mm	Units/pallet
Height	8	203	21 units
Depth	12	305	
Length	18	457	



B

Height	8	203	3 units
Depth	12	305	
Length	18	457	



Sandlewood

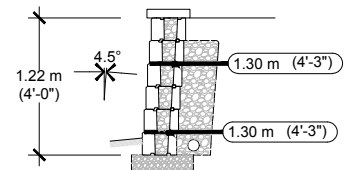
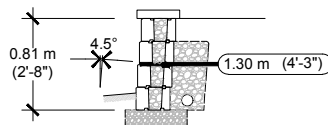
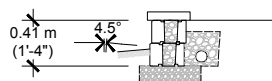
Champlain Grey

Shale Grey

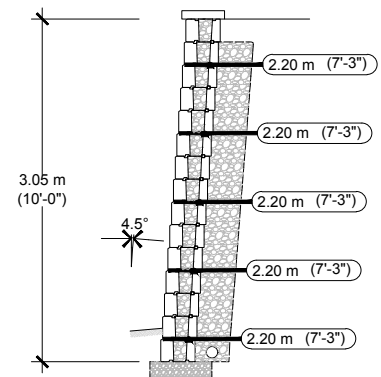
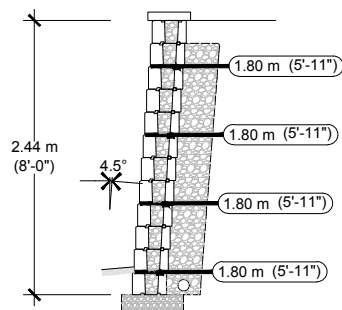
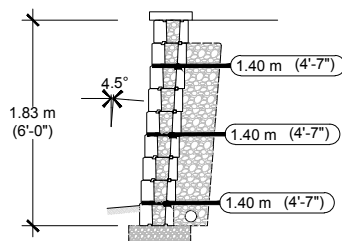


REINFORCED SOIL: GRAVEL/ SAND AND GRAVEL MIXES ($\phi=35^\circ$, $\gamma = 22 \text{ kN/m}^3$)
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

CASE N° 1 :
No Surcharge
No Backslope
No Toe Slope



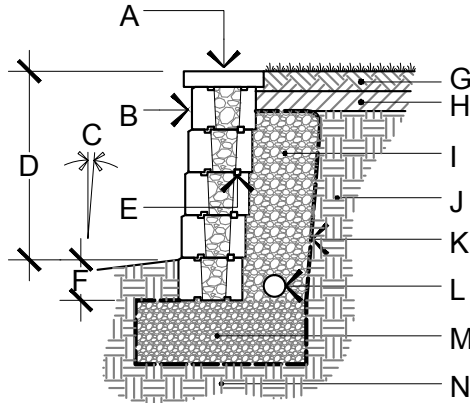
VISIT WWW.TECHO-BLOC.COM FOR COMPLETE DESIGN CHART DOCUMENT



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 ($\phi = 35^\circ$, $\gamma = 22 \text{ kN/m}^3$); retained soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$); foundation soil ($\phi = 26^\circ$, $\gamma = 20 \text{ kN/m}^3$)
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 150 mm (6 in) 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.

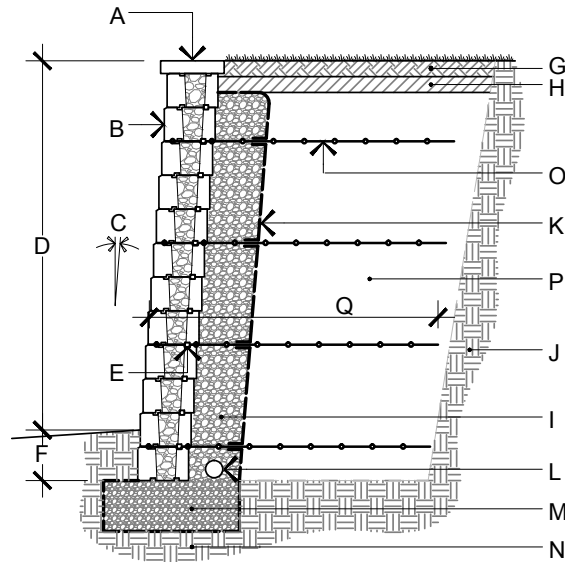
INSTALLATION GUIDE

GRAVITY AND REINFORCED WALLS - SUPREMA



GRAVITY WALL DETAIL

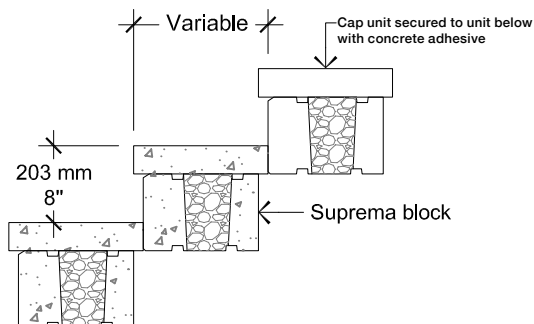
- A.** CAP FROM TECO-BLOC
- B.** SUPREMA BLOCK FROM TECO-BLOC
- C.** WALL INCLINATION (4.5°)
- D.** EXPOSED HEIGHT
- E.** HDPE HORIZONTAL KEY
- F.** EMBEDMENT DEPTH
- G.** TOP SOIL
- H.** LOW PERMEABILITY SOIL
- I.** 3/4" (20 mm) CLEAN STONE, 12" (300 mm) THICK MIN.



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

STEPS - SUPREMA



For all possible combinations of pillars and caps, please refer to the correspondence table on page 106

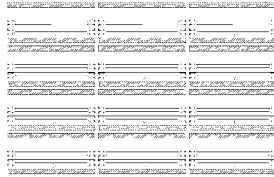
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



TRAVERTINA RAW

DESCRIPTION: Double-sided wall **TEXTURE:** Brushed Travertine

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

The dimensional tolerance for Stonedge wet cast retaining wall units is: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	31.75 ft²/pal	2.95 m ² /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 ft ² /unit	0.06 m ² /unit
Coverage per row	7.94 ft ² /row	0.74 m ² /row
Linear coverage per row	15.88 lin. ft/row	4.84 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	6	152	48 units
Depth	7 ¹⁵ / ₁₆	202	
Length	15 ⁷ / ₈	403	

Rock Garden Brown



Ivory



Riviera

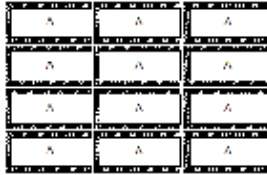




TRAVERTINA RAW

DESCRIPTION: Corners and pillars **TEXTURE:** Brushed Travertine

PALLET OVERVIEW



COMPATIBLE CAPS

See page 106 for product compatibility.

NOTES

The dimensional tolerance for Stonedge wet cast retaining wall units is: $\pm \frac{3}{16}$ " (5 mm) for height and $\pm \frac{1}{2}$ " (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 102 to 122 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	$7 \frac{15}{16}$	202	
Length	$15 \frac{7}{8}$	403	

Rock Garden Brown

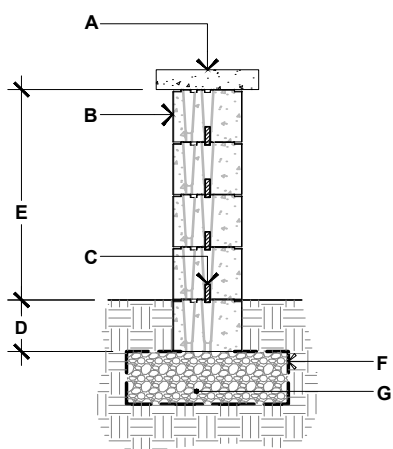
Ivory

Riviera



INSTALLATION GUIDE

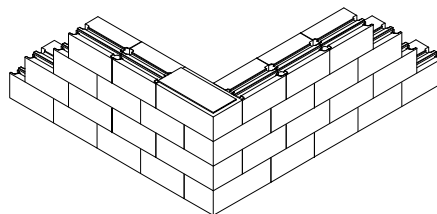
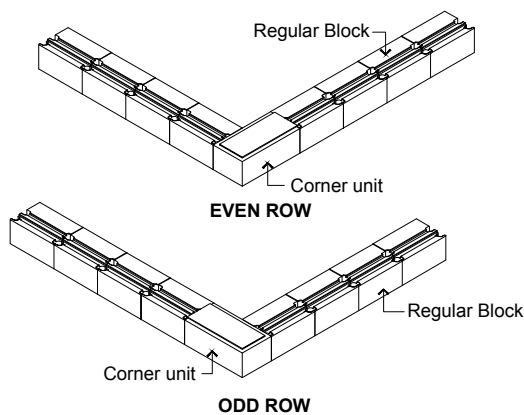
FREESTANDING WALLS - TRAVERTINA RAW



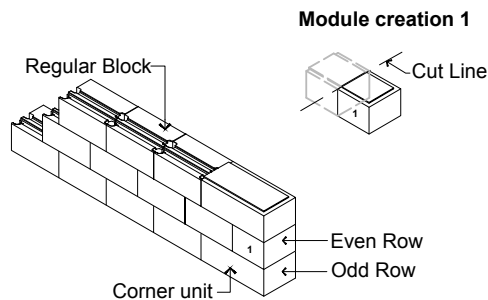
TRAVERTINA RAW

- A.** TECO-BLOC CAP UNIT, SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** TRAVERTINA RAW DOUBLE-SIDED WALL UNIT
SECURE EACH ROW WITH CONCRETE 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

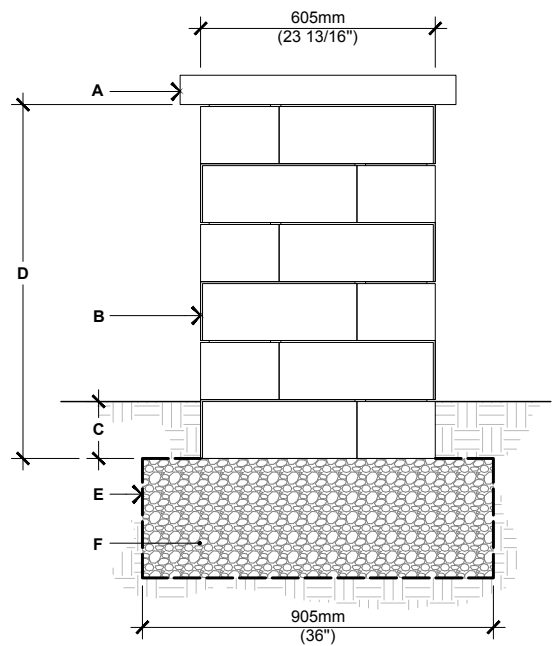


GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.

INSTALLATION GUIDE

PILLARS - TRAVERTINA RAW

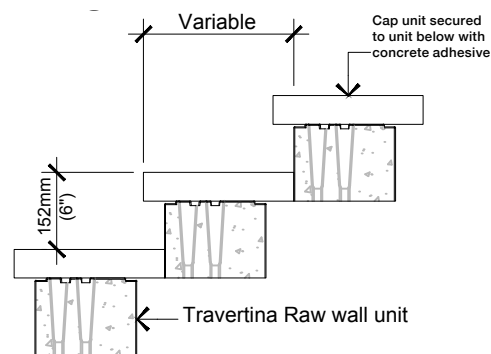


TRAVERTINA RAW

- A.** PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)
- B.** TRAVERTINA RAW PILLAR UNIT
SECURE EACH ROW WITH CONCRETE 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 106

STEPS



For all possible combinations of walls and caps, please refer to the correspondence table on page 106

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	Escala 3,5"	Graphix cap	Pacific cap	Piedimonte	Piedimonte 28"x28"	Portofino	Prima 14"	Raffinato 60 mm	Raffinato 90 mm	Travertina Raw 12"x30"	Travertina Raw 14"x28"	York	York 28"x28"	York 32"x32"
Borealis (does not require a cap)																		
Brandon 90 & 180 mm		x	x	x			x	x		x		x	x	x	x	x		
Brandon 90 & 180 mm pillar									x			x	x		x		x	
Escala 3,5"	x	x	x	x	x	x	x	x		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		
Fascia Wall Collection - double-sided										x								
G-Force						x		x				x	x	x	x			
Graphix						x		x				x	x	x	x			
Manchester	x							x		x	x	x	x		x	x		
Mini-Creta Collection	x	x	x	x			x	x		x	x	x	x	x	x	x		
Mini-Creta Pillar 24" Collection									x			x	x		x		x	
Prescott Collection								x		x		x	x	x	x	x		
Prescott Pillar Collection									x			x	x		x		x	
Raffinato Collection				x		x		x				x	x	x	x			
Raffinato Pillar Collection									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
Skyscraper												x	x					
Suprema						x		x		x	x	x	x		x	x		
Travertina Raw	x	x	x	x		x	x	x		x	x	x	x	x	x	x		
Travertina Raw pillar												x	x		x		x	

NOTE: The combinations shown in this chart are not complete. Other possible combinations exist.

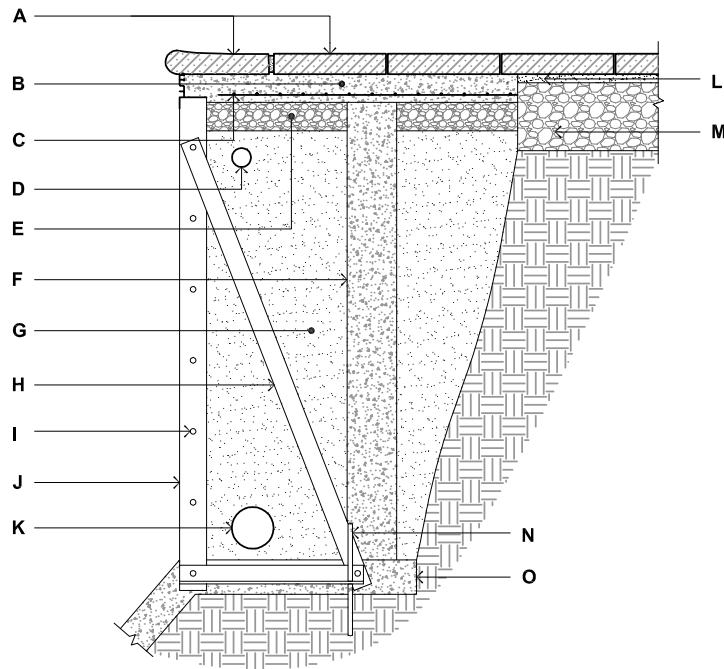
Applications

Caps


	Architectural cap	Bali Travertina Raw	Brandon cap	Bullnose	Bullnose Grande	Escala 3,5"	Graphix cap	Pacific cap	Piedimonte 12"x30"	Piedimonte 14"x30"	Piedimonte 28"x28"	Portofino	Prima 14"	Raffinato 60 mm	Raffinato 90 mm	Travertina Raw 12"x30"	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	x					
Concrete & step overlay system		x		x	x			x	x	x		x		x	x	x	x						x	x
Pool coping		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	x	x					
Counter top										x	x						x							
Pillar											x			x		x								

INSTALLATION GUIDE

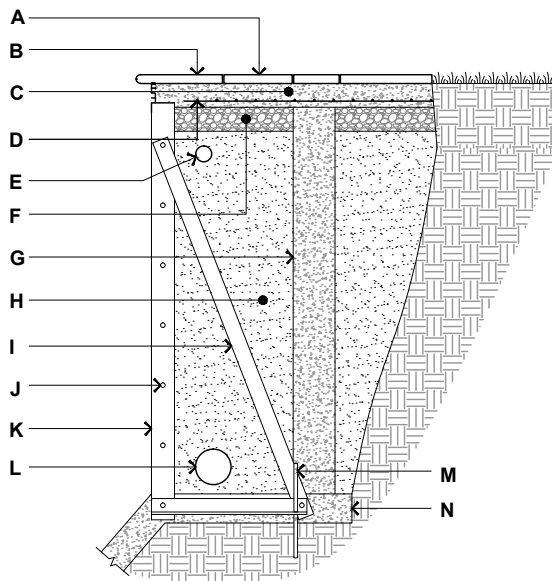
POOL COPING



- A.** TECO-BLOC POOL COPING AND PAVER SECURED TO CONCRETE SLAB WITH 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 $\frac{3}{4}$ " (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- $\frac{3}{4}$ " (0-20 mm) (see table page 242 for thickness)
- N.** STEEL ROD $\frac{3}{8}$ " (10 mm) ANCHORED TO SUBGRADE
- O.** CONCRETE FOOTING, 4" (100 mm) THICK MIN.

 **POOL COPING INSTALLATION**
Typical cross section

PACIFIC POOL COPING

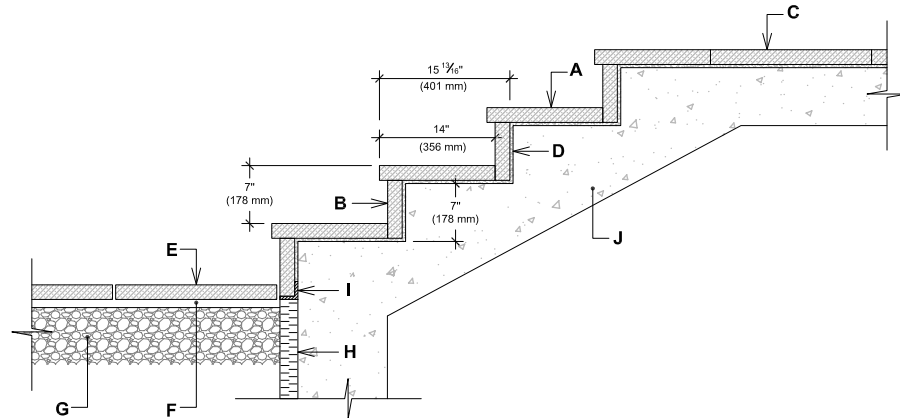


- A.** TECO-BLOC PACIFIC SLAB
- B.** TECO-BLOC PACIFIC CAP
- C.** CONCRETE DECK 39" (1 m) WIDE BY 4" (100 mm) THICK MIN.
- D.** WELDED WIRE MESH, 6X6-W1.4/W1.4 (152 X 152 MW9.1 X MW9.1)
- E.** FLEXIBLE PIPE, 1 $\frac{1}{2}$ " (40 mm) DIAM.
- F.** CLEAN STONE $\frac{3}{4}$ " (20 mm), 2" (50 mm) THICK 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 $\frac{3}{8}$ " (10 mm) ANCHORED TO SUBGRADE
- N.** CONCRETE FOOTING, 4" (100 mm) THICK MIN.

INSTALLATION GUIDE

OVERLAY OF EXISTING CONCRETE STEPS VENETIAN CAP, RISER AND SLAB BLU 45 mm

OPTION 1: 7" (178 MM) HIGH RISER

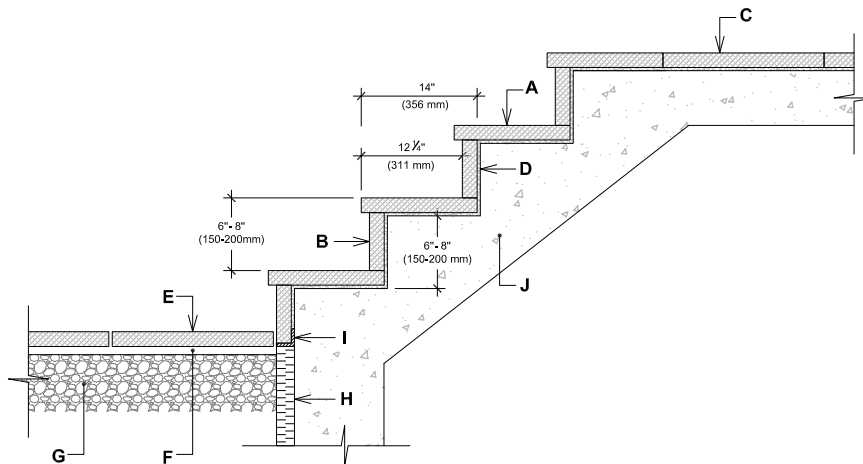


- A.** Venetian Cap
- B.** Venetian Riser (cut if the riser height is less than 7")
- C.** Blu 45 mm Slab (3 sizes)
- D.** Adhesive
- E.** Techo-Bloc Pavers or Slabs
- F.** Setting bed
- G.** Compacted granular base 0-3/4" (0-20 mm)
- H.** Rigid insulation
- I.** Steel angle anchored to concrete
- J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

OPTION 2: 5 7/8" (150 MM) TO 7 7/8" (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.** Adhesive
- E.** Techo-Bloc Pavers or Slabs
- F.** Setting bed
- G.** Compacted granular base 0-3/4" (0-20 mm)
- H.** Rigid insulation
- I.** Steel angle anchored to concrete
- J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

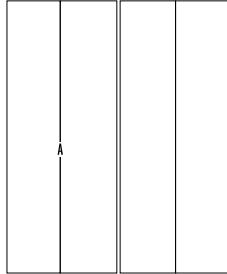
Typical cross section



BOREALIS

DESCRIPTION: Step TEXTURE: Wood

PALLET OVERVIEW



NOTES

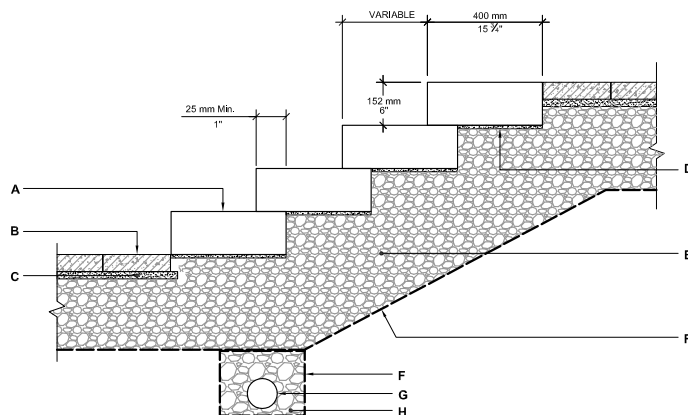
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

To achieve a natural appearance, product dimensions can vary $\pm 3/16"$ (5 mm) for height and $\pm 1/2"$ (13 mm) for length and width.

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



Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth 1	15 3/4	400	
Depth 2	16	406	
Length	48	1 219	



- A.** BOREALIS STEP UNIT
- B.** TECO-BLOC CONCRETE PAVER
- C.** SETTING BED 1" (25 mm) THICK
- D.** SETTING BED 1/2" (12 mm) MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- E.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm) THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- F.** GEOTEXTILE
- G.** PERFORATED DRAIN 4" (100 mm) DIA. CONNECTED TO SERVICES
- H.** CLEAN STONE 3/4" (20 mm)

Smoked Pine

Hazelnut Brandy

Sauvignon Oak



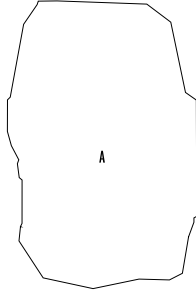
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



MAYA

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

PALLET OVERVIEW

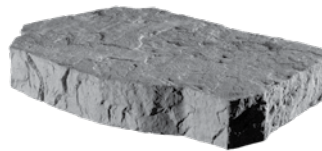


NOTES

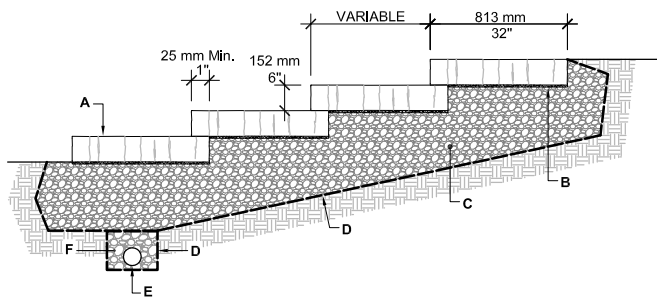
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

To achieve a natural appearance, product dimensions can vary $\pm 3/16"$ (5 mm) for height and $\pm 1/2"$ (13 mm) for length and width.

Specifications per pallet	Imperial	Metric
Cubing	1 unit	1 unit
Approx. Weight	715 lbs	324 kg
Number of rows	1	
Coverage (Approx.)	10.6 ft ² /unit	0.98 m ² /unit
Linear coverage (Approx.)	4 lin. ft/pal	1.22 lin. m/pal



Unit dimensions	in	mm	Units/pallet
Height	6	152	1 unit
Depth	32	813	
Length	48	1219	



- A.** MAYA STEP UNIT
- B.** SETTING BED $\frac{1}{2}"$ (12 MM) MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- C.** COMPACTED GRANULAR BASE 0-3/4" (0-20 MM) THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- D.** GEOTEXTILE
- E.** PERFORATED DRAIN 4" (100 MM) DIA. CONNECTED TO SERVICES
- F.** CLEAN STONE $\frac{3}{4}"$ (20 MM)

Chocolate Brown

Rock Garden Brown

Baja Beige

Riviera



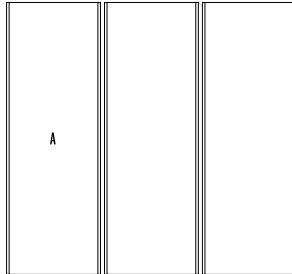
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



RAFFINATO

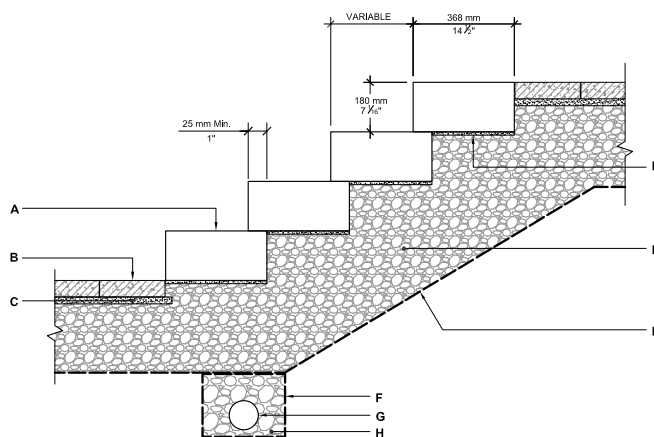
DESCRIPTION: Step **TEXTURE:** Smooth

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

Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	9 units
Depth	14 1/2	368	
Length	42	1 067	

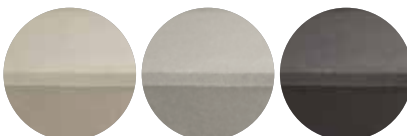


- A.** RAFFINATO STEP UNIT
- B.** TECO-BLOC CONCRETE PAVER
- C.** SETTING BED 1" (25 mm) THICK
- D.** SETTING BED 1/2" (12 mm) MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- E.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm) THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- F.** GEOTEXTILE
- G.** PERFORATED DRAIN 4" (100 mm) DIA. CONNECTED TO SERVICES
- H.** CLEAN STONE 3/4" (20 mm)

Beige Cream

Greyed Nickel

Onyx Black



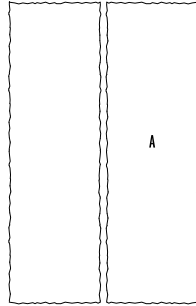
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



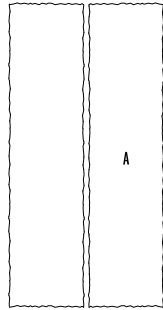
RÖCKA

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

PALLET OVERVIEW - 48"



PALLET OVERVIEW - 60"



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 3/8", from the bottom to the top of the step.

To achieve a natural appearance, product dimensions can vary $\pm 3/16"$ (5 mm) for height and $\pm 1/2"$ (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.

Chocolate Brown

Rock Garden Brown

Baja Beige

Riviera



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



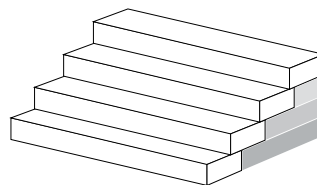
Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth 1	14 ⁷ / ₈	378	
Depth 2	14 ¹ / ₈	359	
Length	48	1 219	



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	



Unit dimensions	in	mm	Units/pallet
Height	6	152	2 units
Depth 1	15 ¹ / ₄	387	
Depth 2	14 ⁵ / ₈	371	
Length	60	1 524	



RÖCKA

WALL & EDGE

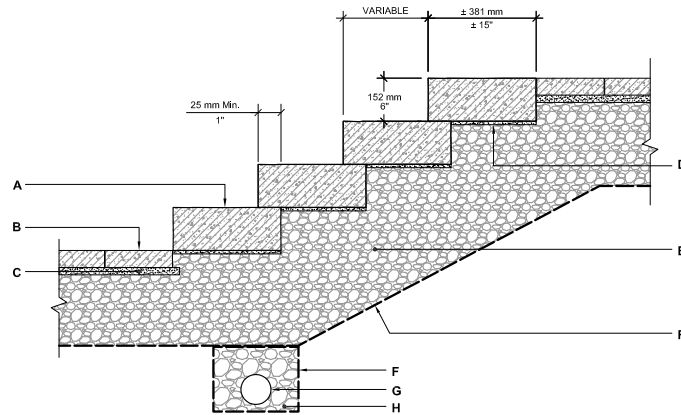
When building a staircase, the Röcka wall can be used to complete the sides and act as part of a structural system. See the product specifications on page 198.

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

INSTALLATION GUIDE

STEPS

RÖCKA



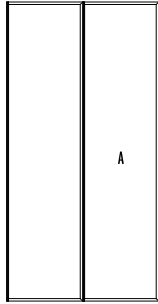
- A.** RÖCKA STEP UNIT
- B.** TECO-BLOC CONCRETE PAVER
- C.** SETTING BED 1" (25 mm) THICK
- D.** SETTING BED ½" (12 mm) MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- E.** COMPACTED GRANULAR BASE 0-¾" (0-20 mm) THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- F.** GEOTEXTILE
- G.** PERFORATED DRAIN 4" (100 mm) DIA. CONNECTED TO SERVICES
- H.** CLEAN STONE ¾" (20 mm)



YORK 60"

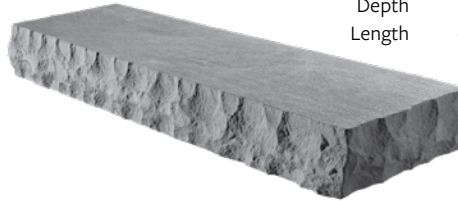
DESCRIPTION: Step **TEXTURE:** Limestone surface with chiseled edges

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	

Unit dimensions	in	mm	Units/pallet
Height	6	152	2 units
Depth	15	381	
Length	60	1 524	

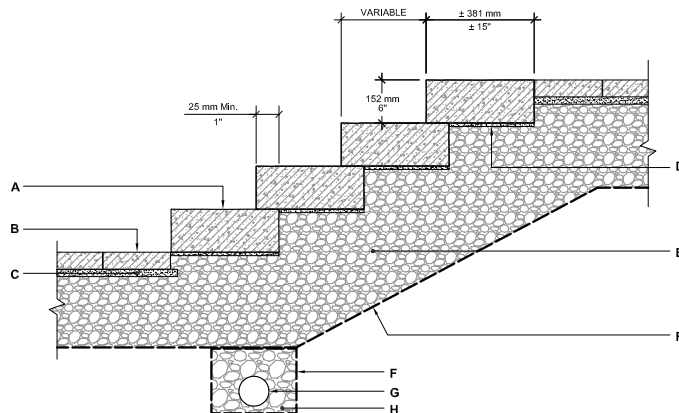


NOTES

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 $\pm 3/16"$ (5 mm) for height and $\pm 1/2"$ (13 mm) for length and width.



- A.** YORK STEP UNIT
- B.** TECO-BLOC CONCRETE PAVER
- C.** SETTING BED 1" (25 mm) THICK
- D.** SETTING BED 1/2" (12 mm) MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- E.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm) THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- F.** GEOTEXTILE
- G.** PERFORATED DRAIN 4" (100 mm) DIA. CONNECTED TO SERVICES
- H.** CLEAN STONE 3/4" (20 mm)

Chocolate Brown Rock Garden Brown Baja Beige Riviera



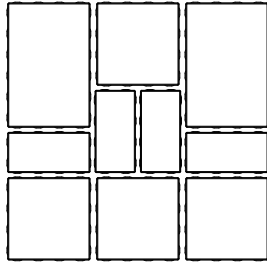
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



BLU 45 mm

DESCRIPTION: Concrete Overlay System **TEXTURE:** Slate

PALLET OVERVIEW



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 223 for more technical information.

*Mojave Beige is only available in Midwestern USA. See page 13 for list of Eastern and Midwestern States.

For joint filling surface coverage, see page 20.

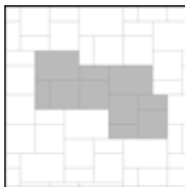
Specifications per pallet	Imperial	Metric
Cubing	127.44 ft²	11.84 m ²
Approx. Weight	2 631 lbs	1 193 kg
Number of rows	12	
Coverage per row	10.62 ft ² /row	0.99 m ² /row

Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	13	330	
Length	6 ½	165	

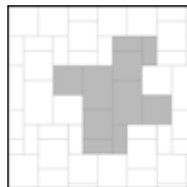
Height	1 ¾	45	48 units
Depth	13	330	
Length	13	330	

Height	1 ¾	45	24 units
Depth	13	330	
Length	19 ½	495	

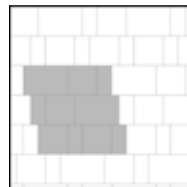
01 | Linear pattern



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

Mojave Beige

Sandlewood

Champlain Grey

Shale Grey

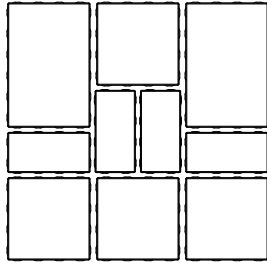




BLU 45 mm

DESCRIPTION: Concrete Overlay System **TEXTURE:** Smooth

PALLET OVERVIEW



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 223 for more technical information.

For joint filling surface coverage, see page 20.

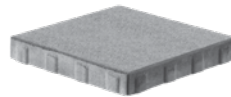
Specifications per pallet	Imperial	Metric
Cubing	127.44 ft²	11.84 m ²
Approx. Weight	2 631 lbs	1 193 kg
Number of rows	12	
Linear coverage per row	10.62 ft ²	0.99 m ²

Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	13	330	
Length	6 ½	165	



Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	48 units
Depth	13	330	
Length	13	330	

B

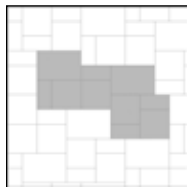


Unit dimensions	in	mm	Units/pallet
Height	1 ¾	45	24 units
Depth	13	330	
Length	19 ½	495	

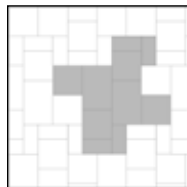
C



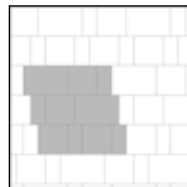
01 | Linear pattern



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



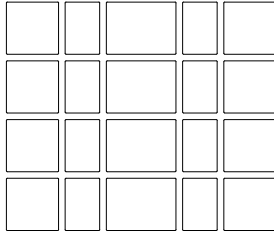


NEW

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 222 for more technical information.

For joint filling surface coverage, see page 20.

Specifications per pallet	Imperial	Metric
Cubing	173.60 ft²	16.13 m ²
Approx. Weight	2 415 lbs	1 095 kg
Number of rows	15	
Coverage per row	11.57 ft ² /row	1.08 m ² /row

Unit dimensions	in	mm	Units/pallet
Height	1 ³ / ₁₆	30	120 units
Depth	6 ⁵ / ₁₆	160	
Length	9 ⁷ / ₁₆	240	



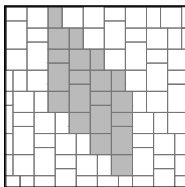
Height	1 ³ / ₁₆	30	120 units
Depth	9 ⁷ / ₁₆	240	
Length	9 ⁷ / ₁₆	240	



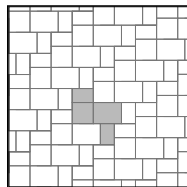
Height	1 ³ / ₁₆	30	60 units
Depth	9 ⁷ / ₁₆	240	
Length	12 ⁵ / ₈	320	



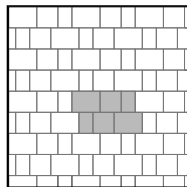
01 | Modular pattern



02 | Modular pattern

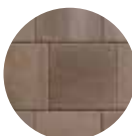


03 | Linear pattern

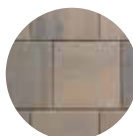


Patterns are for design inspiration only. The installer is responsible to calculate & purchase the correct amount of material.

Chestnut Brown



Champlain Grey



Shale Grey



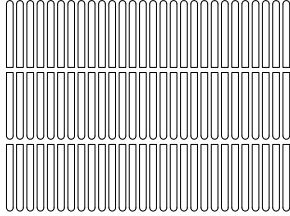


NEW

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



A



Unit dimensions	in	mm	Units/pallet
Height	1 $\frac{3}{16}$	30	420 units
Depth	11 $\frac{13}{16}$	300	
Length	3 $\frac{15}{16}$	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.

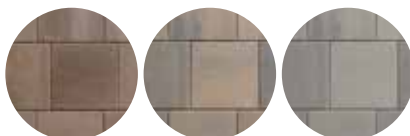
See page 222 for more technical information.

For joint filling surface coverage, see page 20.

Chestnut Brown

Champlain Grey

Shale Grey

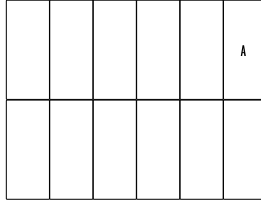




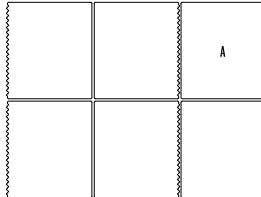
VENETIAN

DESCRIPTION: Step Overlay System **TEXTURE:** Slate

PALLET OVERVIEW - RISER



PALLET OVERVIEW - CAP





NOTES


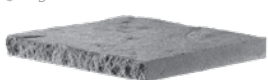
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 223 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

 	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

 	Unit dimensions		in	mm	Units/pallet
	Height	1 ¾	45		48 units
	Depth	14	356		
	Length	16	406		

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

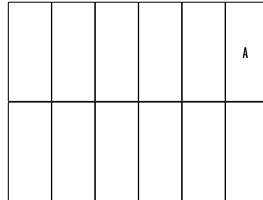




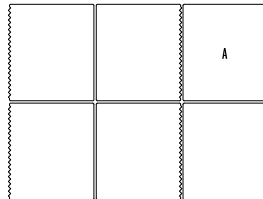
VENETIAN

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 223 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

 	Unit dimensions		in	mm	Units/pallet
	Height		1 $\frac{15}{16}$	50	48 units
	Depth		7	178	
	Length		15 $\frac{5}{8}$	397	

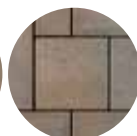
Specifications per pallet		Imperial	Metric
CAP	Cubing	48 units	48 units
	Linear coverage per pallet	62.52 lin. ft	19.06 lin. m
	Approx. Weight	1 500 lbs	680 kg
	Units	1.30 lin. ft	0.40 lin. m
	Number of rows	8	
	Linear coverage per row	7.81 lin. ft	2.38 lin. m

 	Unit dimensions		in	mm	Units/pallet
	Height		1 $\frac{15}{16}$	50	48 units
	Depth		14	356	
	Length		15 $\frac{5}{8}$	397	

Chestnut Brown



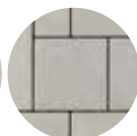
Champlain Grey



Beige Cream



Greyed Nickel



Shale Grey

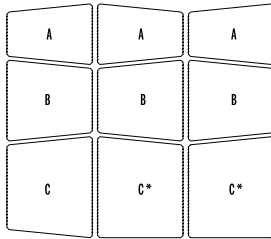




ARCHITECTURAL

DESCRIPTION: Cap Double-Sided **TEXTURE:** Split Face

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 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

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	

Height	2 15/16	75	24 units
Depth	12 1/2	317	
Length 1	11 13/16	300	
Length 2	9 7/16	240	

Height	2 15/16	75	8 units
Depth	12 1/2	317	
Length 1	14 3/4	375	
Length 2	12 3/8	315	

Height	2 15/16	75	16 units
Depth	12 1/2	317	
Length 1	14 3/4	375	
Length 2	13 1/16	345	

Chocolate Brown

Chestnut Brown

Mojave Beige

Sandlewood

Champlain Grey

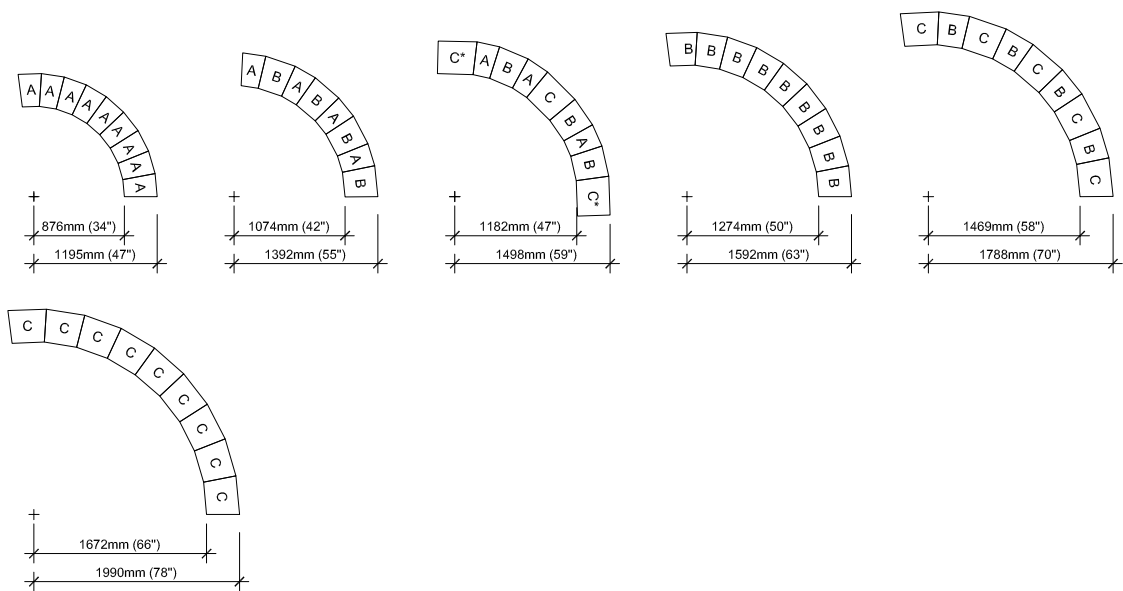
Shale Grey

Onyx Black



INSTALLATION GUIDE

CAP RADIUS - ARCHITECTURAL



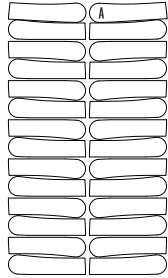
It is the user's responsibility to verify for the quantity of materials required.



BALI TRAVERTINA RAW

DESCRIPTION: Bullnose Pool coping **TEXTURE:** Brushed Travertine

PALLET OVERVIEW



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 222 for more technical information.

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	

Rock Garden Brown



Ivory



Riviera

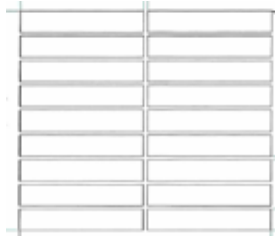




BRANDON

DESCRIPTION: Cap TEXTURE: Slate



PALLET OVERVIEW




COMPATIBLE WALLS

See page 221 for product compatibility.

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



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	18 units
Depth	14	356	
Length	16	406	



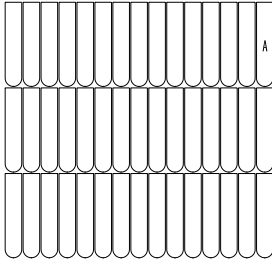




BULLNOSE

DESCRIPTION: Cap and pool coping **TEXTURE:** Smooth

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 222 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



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	180 units
Depth	12	305	
Length	5 7/8	150	



Chocolate Brown

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

Onyx Black

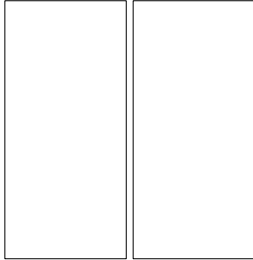




BULLNOSE GRANDE

DESCRIPTION: Cap and pool coping **TEXTURE:** Polished

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See 222 for more technical information.

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 $\frac{3}{16}$	56	12 units
Depth	14 $\frac{1}{16}$	357	
Length	29 $\frac{1}{2}$	750	

Beige Cream



Greyed Nickel

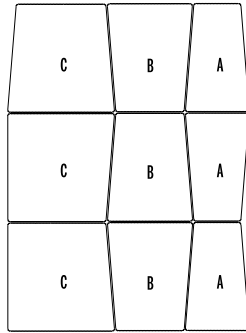




ESCALA 3.5"

DESCRIPTION: Cap Double-Sided **TEXTURE:** Smooth surface, Split & Aged edge

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	56.70 lin. ft	17.28 lin. m
Approx. Weight	3 007 lbs	1 363 kg
Number of rows	7	
Linear coverage per row	8.10 lin. ft/row	2.47 lin. m/row

Unit dimensions	in	mm	Units/pallet
Height	3 $\frac{9}{16}$	90	21 units
Depth	14 $\frac{15}{16}$	380	
Length 1	8 $\frac{7}{8}$	225	
Length 2	6 $\frac{1}{2}$	165	



Unit dimensions	in	mm	Units/pallet
Height	3 $\frac{9}{16}$	90	21 units
Depth	14 $\frac{15}{16}$	380	
Length 1	11 $\frac{13}{16}$	300	
Length 2	9 $\frac{7}{16}$	240	

B



Unit dimensions	in	mm	Units/pallet
Height	3 $\frac{9}{16}$	90	21 units
Depth	14 $\frac{15}{16}$	380	7 right corners
Length 1	14 $\frac{3}{4}$	375	7 left corners
Length 2	12 $\frac{3}{8}$	315	7 regular units

C



COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

The corner caps can also be used as a regular unit.

See 222 for more technical information.

Chestnut Brown

Sandlewood

Champlain Grey

Shale Grey

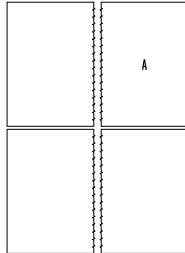




GRAPHIX

DESCRIPTION: Reversible Cap **TEXTURE:** Split Face and Smooth

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

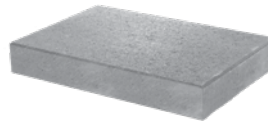
Specifications per pallet	Imperial	Metric
Cubing	28 units	28 units
	46.67 lin. ft	14.22 lin. m
Units	0.60 unit/lin. ft	1.97 unit/lin. m
Approx. Weight	1 950 lb	885 kg
Number of rows	7	
Linear coverage per row	6.67 lin. ft	2.03 lin. m
	1 lin. ft = 0.60 unit	1.96 lin. m/unit



Unit dimensions	in	mm	Units/pallet
Height	2 15/16	75	28 units
Depth	14	355	
Length	20	508	



split face side



smooth side

Beige Cream

Smooth Side



Greyed Nickel

Smooth Side



Onyx Black

Smooth Side



Beige Cream

Split Face Side



Greyed Nickel

Split Face Side



Onyx Black

Split Face Side

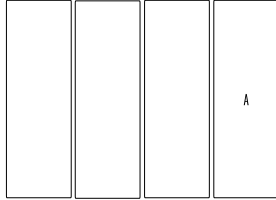




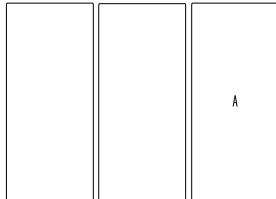
PIEDIMONTE

DESCRIPTION: Cap double-sided **TEXTURE:** Thermal

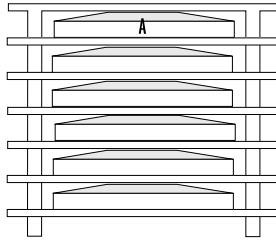
PALLET OVERVIEW - 12"×30"



PALLET OVERVIEW - 14"×30"



PALLET SIDE VIEW - 28"×28"



STEPS, CAPS &
OVERLAY SYSTEM



COMPATIBLE WALLS

See page 221 for product compatibility.


NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.


To achieve a natural appearance, stone dimension can vary up to 1/4". 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
12"×30" WALL CAP	Cubing	80 lin. ft	24.39 lin. m
	Approx. Weight	2 004 lbs	909 kg
	Number of rows	8	
	Linear coverage per row	10 lin. ft	3.05 lin. m

Unit dimensions		in	mm	Units/pallet
	Height	2 1/4	57	32 units
	Depth	11 3/4	298	
	Length	30	762	

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 1/4	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 7/8	73	6 units
	Depth	28	711	
	Length	28	711	

Rock Garden Brown

Riviera

Onyx Black

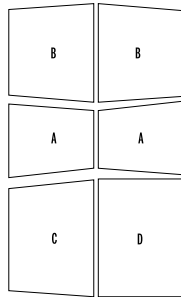




PORTOFINO

DESCRIPTION: Cap double-sided **TEXTURE:** Natural stone (Fossil stone)

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 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 achieve a natural appearance, stone dimension can vary up to 1/4". 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
Height	2 1/4	57	14 units
Depth	14 1/2	368	
Length 1	11 3/4	298	
Length 2	9 3/8	238	

Height	2 1/4	57	14 units
Depth	14 1/2	368	
Length 1	15 7/8	403	
Length 2	13 3/4	349	

Height	2 1/4	57	7 units
Depth	14 1/2	368	
Length 1	18 13/16	478	
Length 2	16 1/2	419	

Height	2 1/4	57	7 units
Depth	14 1/2	368	
Length 1	19	483	
Length 2	19	483	

Chocolate Brown



Rock Garden Brown



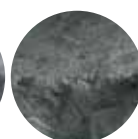
Baja Beige



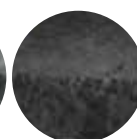
Riviera



Azzurro

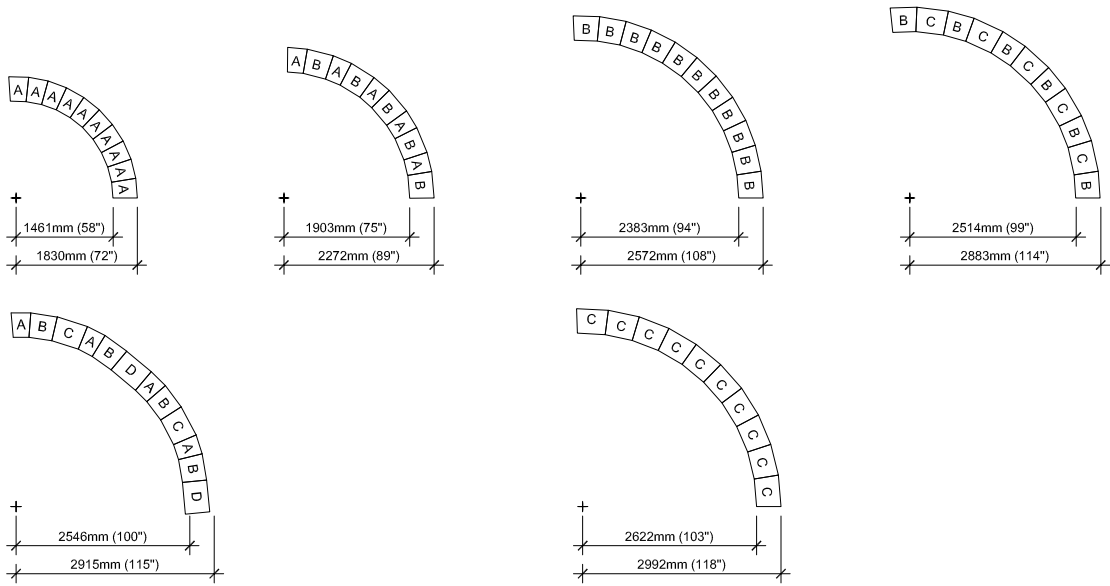


Onyx Black



INSTALLATION GUIDE

CAP RADIUS - PORTOFINO



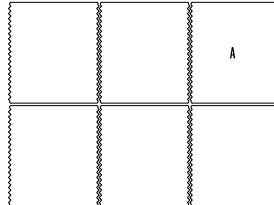
It is the user's responsibility to verify for the quantity of materials required.



PRIMA 14"

DESCRIPTION: Cap double-sided **TEXTURE:** Smooth surface, Split and Aged edge

PALLET OVERVIEW



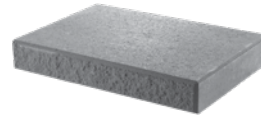
COMPATIBLE WALLS

See page 221 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	48 units	48 units
	64 lin. ft	19.51 lin. m
Approx. Weight	2 680 lbs	1 216 kg
Number of rows	8	
Linear coverage per row	8 lin. ft	2.44 lin. m
	1 lin. ft = 0.75 unit	1 lin. m = 2.46 units



Unit dimensions	in	mm	Units/pallet
Height	2 ¹⁵ / ₁₆	75	48 units
Depth	14	356	
Length	16	406	

Chestnut Brown



Sandlewood



Champlain Grey



Shale Grey

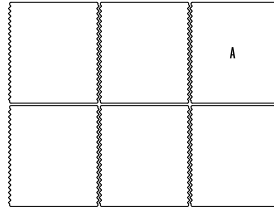




PRIMA 14"

DESCRIPTION: Cap Double-Sided **TEXTURE:** Polished

PALLET OVERVIEW



COMPATIBLE WALLS

See page 221 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	48 units	48 units
Approx. Weight	2 680 lbs	1 216 kg
Number of rows	8	
Linear coverage per pallet	64 lin. ft	19.51 lin. m
Linear coverage per row	8 lin. ft	2.44 lin. m
	1 lin. ft = 0.75 unit	1 lin. m = 2.46 units



Unit dimensions	in	mm	Units/pallet
Height	2 ¹⁵ / ₁₆	75	48 units
Depth	13 ³ / ₄	350	
Length	16	406	

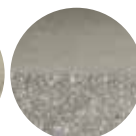
Chestnut Brown



Beige Cream



Greyed Nickel



Shale Grey



Onyx Black

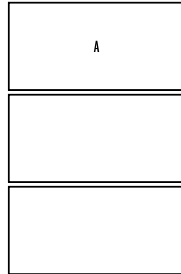




RAFFINATO 14"×28"

DESCRIPTION: Cap double-sided **TEXTURE:** Smooth

PALLET OVERVIEW - 14"×28"

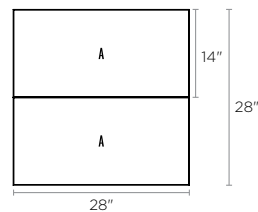


COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

By placing two units side by side, you will obtain a 28" pillar cap.



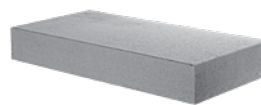
COMPATIBLE PILLARS

Pillar 24 (Mini-Creta 3" & 6"), Pillar 24 (Mini-Creta 6" Architectural), Manchester, Prescott 2,25 & 4,5, Raffinato 90 mm & 180 mm smooth.

PEDESTAL SET APPLICATION:

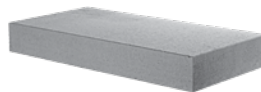
Raffinato 14"×28" (60 mm) cap can be used with pedestals at each corner (pedestrian use only).

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 1/16	90	24 units
Depth	14	356	
Length	28	711	

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	

Chestnut Brown

Sandlewood

Beige Cream

Champlain Grey

Greyed Nickel

Shale Grey

Onyx Black

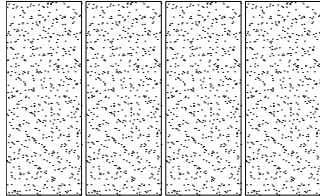




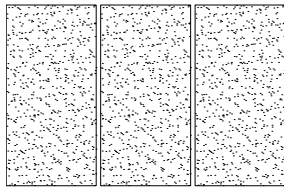
TRAVERTINA RAW

DESCRIPTION: Cap double-sided **TEXTURE:** Brushed Travertine

PALLET OVERVIEW 12"X30"



PALLET OVERVIEW 14"X28"

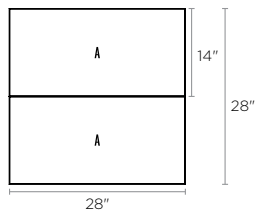


COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

By placing two units side by side, you will obtain a 28" pillar cap.



Specifications per pallet		Imperial	Metric
12X30"	Cubing	32 units	32 units
		80 lin. ft	24.38 m. lin
	Approx. Weight	1 960lbs	889 kg
	Number of rows	8	
Linear coverage per row		10 lin. ft/row	3.05 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	32 units
Depth	11 ¾	298	
Length	30	762	



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	



Rock Garden Brown

Ivory

Riviera

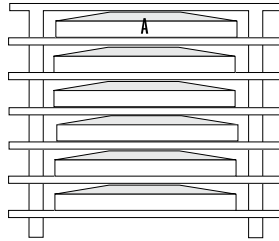




YORK PILLAR CAPS

DESCRIPTION: Cap double-sided **TEXTURE:** Limestone surface with chiseled edges

PALLET SIDE VIEW - 28" AND 32"



COMPATIBLE PILLARS - YORK 28"

See page 221 for product compatibility.

COMPATIBLE PILLAR - YORK 32"

See page 221 for product compatibility.

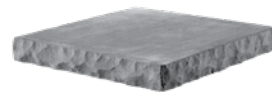
NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To achieve a natural appearance, stone dimension can vary up to 1/4".

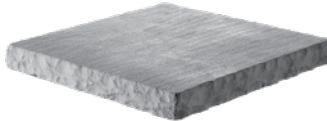
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet		Imperial	Metric
28" X 28"	Cubing	6 units	6 units
	Approx. Weight	1 676 lbs	760 kg
	Number of rows	6	



Unit dimensions	in	mm	Units/pallet
Height	3 1/2	89	6 units
Depth	28 3/4	730	
Length	28 3/4	730	

Specifications per pallet		Imperial	Metric
32" X 32"	Cubing	6 units	6 units
	Approx. Weight	2 083 lbs	945 kg
	Number of rows	6	



Unit dimensions	in	mm	Units/pallet
Height	3 1/2	89	6 units
Depth	32	813	
Length	32	813	

Chocolate Brown

Rock Garden Brown

Ivory

Riviera

Onyx Black

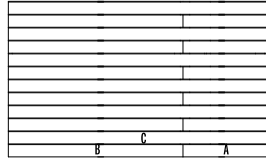




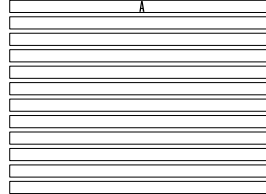
YORK

DESCRIPTION: Wall caps double-sided **TEXTURE:** Limestone surface with chiseled edges

PALLET OVERVIEW - 14"x16", 14"x32" & 14"x48"



PALLET OVERVIEW - 14"x48"



COMPATIBLE WALLS

See page 221 for product compatibility.

NOTES

Palletized upright.


Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.


To achieve a natural appearance, stone dimension can vary up to 1/4".


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"x16" 14"x32" 14"x48"	Cubing	48 lin. ft	14.63 lin. m
	Approx. Weight	1 597 lbs	724 kg
	Number of rows	1	
	Linear coverage per pallet	48 lin. ft	14.63 lin. m

	Unit dimensions	in	mm	Units/pallet
	Height	2 1/4	57	6 units
	Depth	14	356	
	Length	16	406	

	Height	2 1/4	57	6 units
	Depth	14	356	
	Length	32	813	
	*Double sided unit with finished texture at one end			

	Height	2 1/4	57	6 units
	Depth	14	356	
	Length	48	1 219	

Specifications per pallet		Imperial	Metric
14"x48"	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

	Unit dimensions	in	mm	Units/pallet
	Height	2 1/4	57	12 units
	Depth	14	356	
	Length	48	1 219	

Chocolate Brown Rock Garden Brown Ivory Riviera Onyx Black

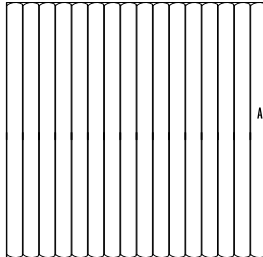





YORK 24"×36"

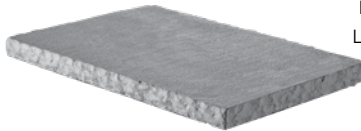
DESCRIPTION: Counter top **TEXTURE:** Limestone surface with chiseled edges on the four sides

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
	Height		2 ¼	57	
	Depth		24	610	
	Length		36	914	



NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To achieve 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.

Chocolate Brown



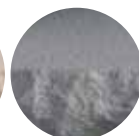
Rock Garden Brown



Ivory



Riviera



Onyx Black



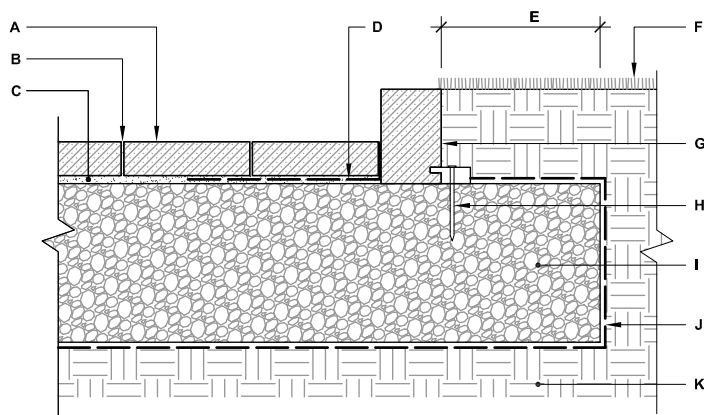
EDGES

EDGES & BORDERS



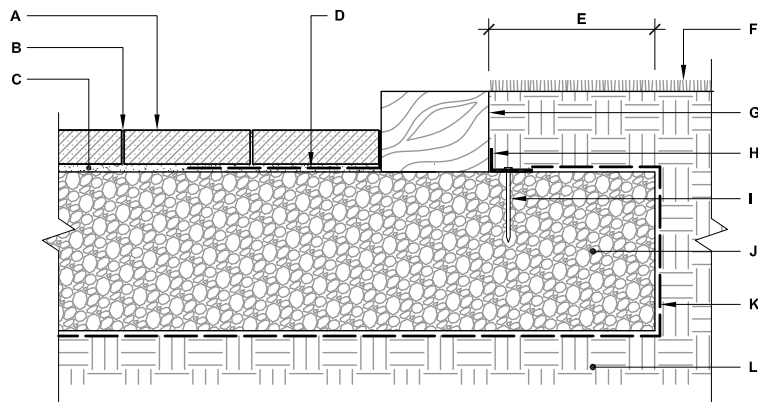
INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT



- A.** TECO-BLOC PRECAST CONCRETE PAVER
2 3/8" (60 mm) THICK MIN.
- B.** SAND JOINT FILL
- 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.** TECO-BLOC AVIGNON EDGE
- H.** NAIL
- I.** COMPACTED GRANULAR BASE
0-3/4" (0-20 mm)
- J.** GEOTEXTILE
- K.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH AVIGNON EDGE

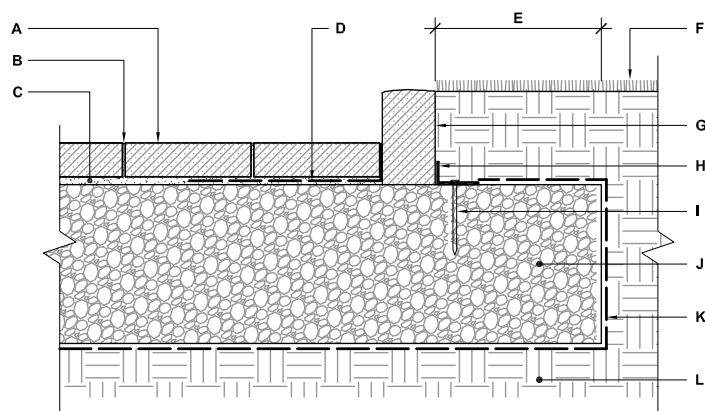


- A.** TECO-BLOC PRECAST CONCRETE PAVER
2 3/8" (60 mm) THICK MIN.
- B.** SAND JOINT FILL
- C.** SAND SETTING BED (CONCRETE SAND)
1" (25 mm)
- D.** GEOTEXTILE 12" (300 mm) WIDE
- E.** EXTRA WIDTH EQUAL TO FOUNDATION
THICKNESS
- F.** LAWN
- G.** TECO-BLOC BOREALIS EDGE
- H.** PLASTIC EDGE
- I.** NAIL
-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

TYPICAL PAVER CROSS SECTION WITH BOREALIS EDGE

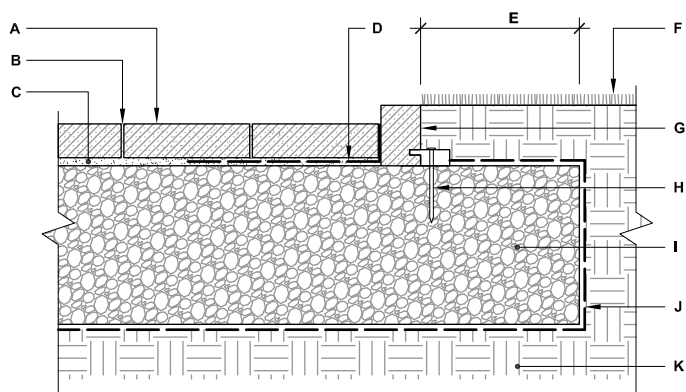
INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT



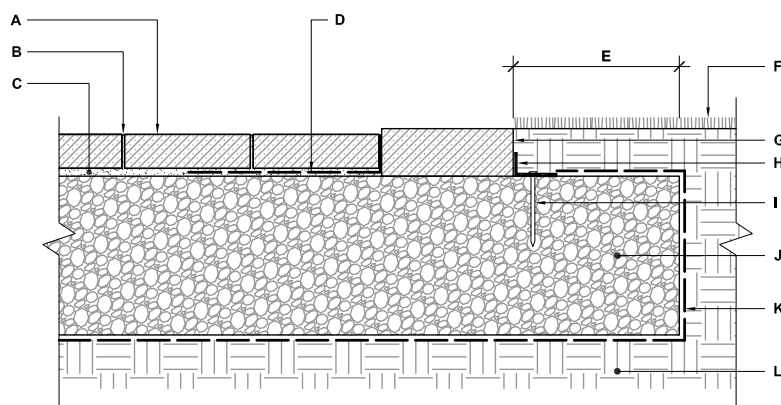
- A.** TECO-BLOC PRECAST CONCRETE PAVER
2 $\frac{3}{8}$ " (60 mm) THICK MIN.
- B.** SAND JOINT FILL
- C.** SAND SETTING BED (CONCRETE SAND)
1" (25 mm)
- D.** GEOTEXTILE 12" (300 mm) WIDE
- E.** EXTRA WIDTH EQUAL TO FOUNDATION
THICKNESS
- F.** LAWN
- G.** TECO-BLOC BRANDON EDGE
- H.** PLASTIC EDGE
- I.** NAIL
- J.** COMPACTED GRANULAR BASE
0- $\frac{3}{4}$ " (0-20 mm)
- K.** GEOTEXTILE
- L.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH BRANDON EDGE



- A.** TECO-BLOC PRECAST CONCRETE PAVER
2 $\frac{3}{8}$ " (60 mm) THICK MIN.
- B.** SAND JOINT FILL
- 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.** TECO-BLOC PIETRA EDGE
- H.** NAIL
- I.** COMPACTED GRANULAR BASE
0- $\frac{3}{4}$ " (0-20 mm)
- J.** GEOTEXTILE
- K.** SUBGRADE

TYPICAL PAVER CROSS SECTION WITH PIETRA EDGE

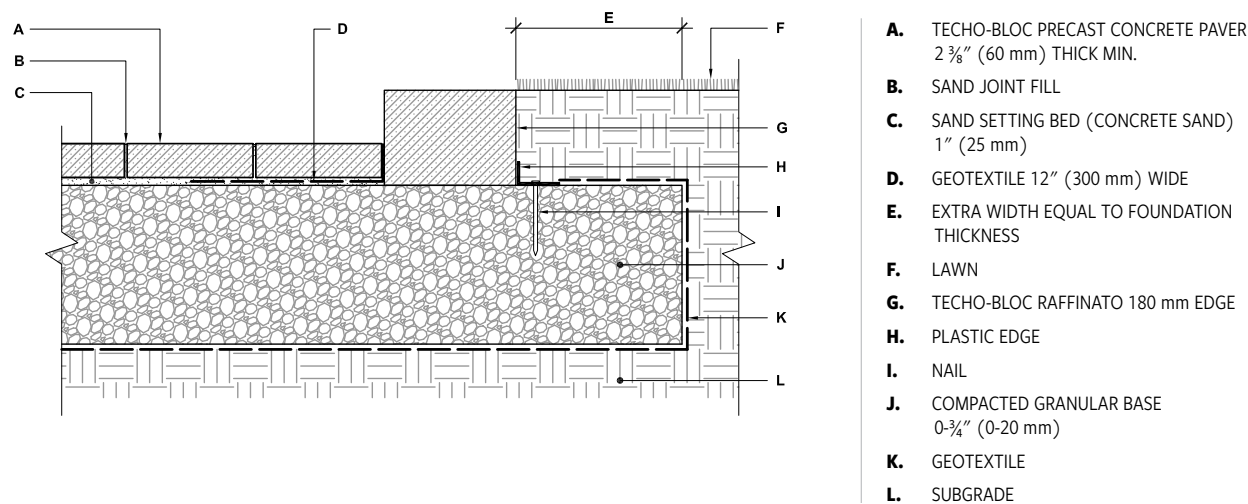


- A.** TECO-BLOC PRECAST CONCRETE PAVER
2 $\frac{3}{8}$ " (60 mm) THICK MIN.
- B.** SAND JOINT FILL
- C.** SAND SETTING BED (CONCRETE SAND)
1" (25 mm)
- D.** GEOTEXTILE 12" (300 mm) WIDE
- E.** EXTRA WIDTH EQUAL TO FOUNDATION
THICKNESS
- F.** LAWN
- G.** TECO-BLOC RAFFINATO 90 mm EDGE
- H.** PLASTIC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

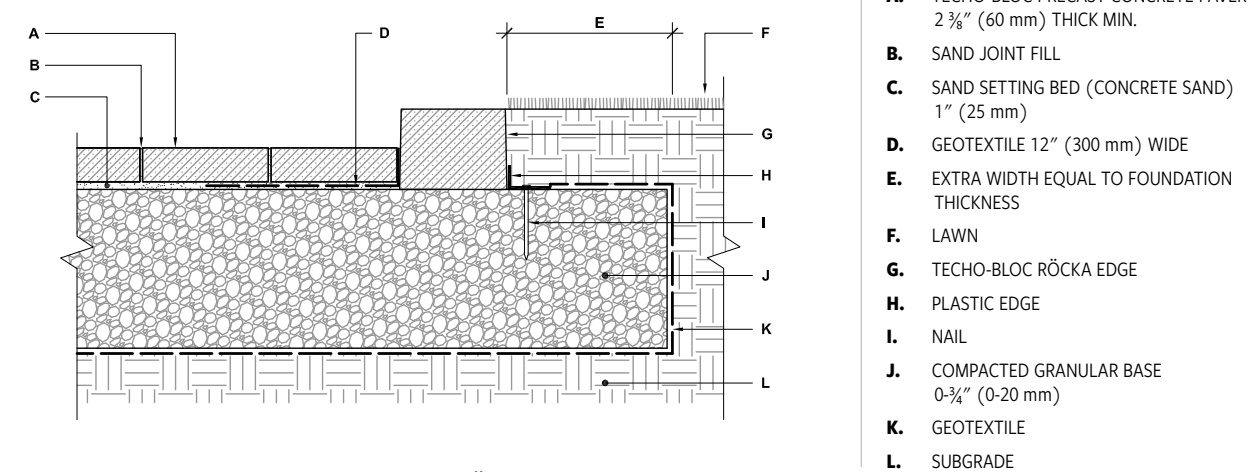
TYPICAL PAVER CROSS SECTION WITH RAFFINATO 90 mm EDGE

INSTALLATION GUIDE

INTERLOCKING CONCRETE PAVEMENT



TYPICAL PAVER CROSS SECTION WITH RAFFINATO 180 mm EDGE



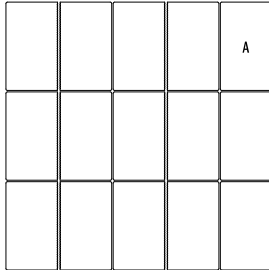
TYPICAL PAVER CROSS SECTION WITH RÖCKA EDGE



AVIGNON

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

PALLET OVERVIEW



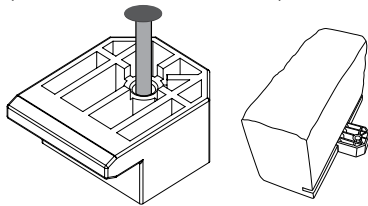
NOTES

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 255 for more technical information.

PLASTIC EDGE RESTRAINT SYSTEM. (NAIL IS NOT INCLUDED)



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 1/2	114	
Length	12	305	

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 255 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	32 ft²	2.97 m ²
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 ft ²	0.74 m ²
Coverage per unit	2 ft ²	0.19 m ²
Linear coverage per unit	4 lin. ft	1.22 lin. m

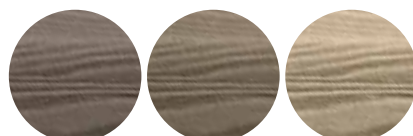
	Unit dimensions				Units/pallet 16 units
			in	mm	
		Height	6	152	
		Depth 1	7 ¾	197	
		Depth 2	8	203	
		Length	48	1 219	



Smoked Pine

Hazelnut Brandy

Sauvignon Oak

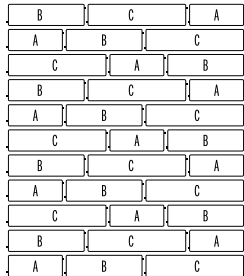




BRANDON

DESCRIPTION: Edge **TEXTURE:** Slate

PALLET OVERVIEW



NOTES

See 256 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	140.75 lin. ft	42.90 lin. m
Approx. Weight	3 901 lbs	1 769 kg
Number of rows	4	
Linear coverage per row	35.19 lin. ft	10.73 lin. m

Unit dimensions	in	mm	Units/pallet
Height	7 ¹ / ₁₆	180	44 units
Depth	3 ¹⁵ / ₁₆	100	
Length	8 ⁷ / ₈	225	

Unit dimensions	in	mm	Units/pallet
Height	7 ¹ / ₁₆	180	44 units
Depth	3 ¹⁵ / ₁₆	100	
Length	12 ¹³ / ₁₆	325	

Unit dimensions	in	mm	Units/pallet
Height	7 ¹ / ₁₆	180	44 units
Depth	3 ¹⁵ / ₁₆	100	
Length	16 ³ / ₄	425	

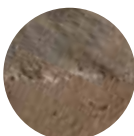
Chocolate Brown



Chestnut Brown



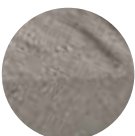
Sandlewood



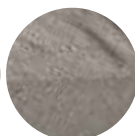
Champlain Grey



Shale Grey



Onyx Black

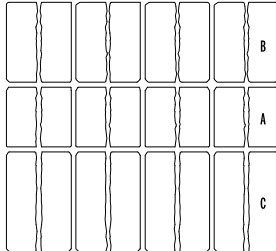




PIETRA

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

PALLET OVERVIEW



NOTES

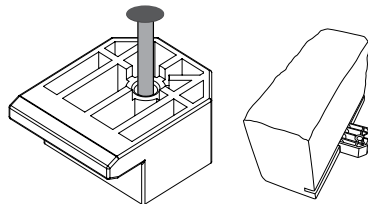
The Avignon and Pietra edges come with a plastic edge restraint system that can receive an 8" or 10" (200 mm or 250 mm) nail.

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 256 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 1/2	114	32 units
	Depth	3 1/8	80	
	Length	8 7/8	225	
 B	Height	4 1/2	114	32 units
	Depth	3 1/8	80	
	Length	11 13/16	300	
 C	Height	4 1/2	114	32 units
	Depth	3 1/8	80	
	Length	14 3/4	375	

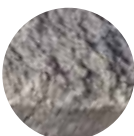
Chestnut Brown



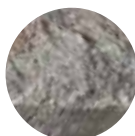
Sandlewood



Shale Grey



Champlain Grey

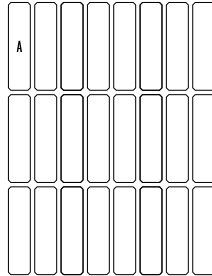




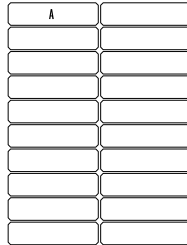
RAFFINATO 90 mm

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

PALLET OVERVIEW - SMOOTH



PALLET OVERVIEW - POLISHED



NOTES

See 256 for more technical information.

*Polished products are available on order only.

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	

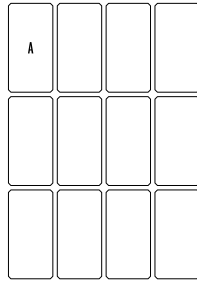




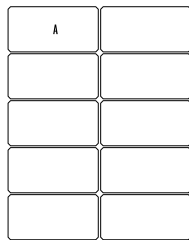
RAFFINATO 180 mm

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

PALLET OVERVIEW - 180 MM SMOOTH



PALLET OVERVIEW - 180 MM POLISHED



NOTES

See 257 for more technical information.

*Polished products are available on order only.

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



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

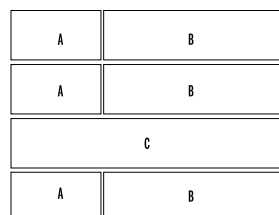




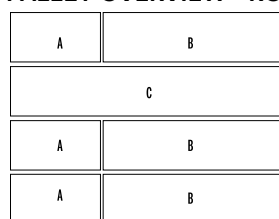
RÖCKA

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

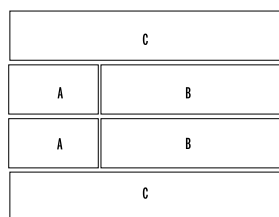
PALLET OVERVIEW - ROW 1



PALLET OVERVIEW - ROW 2



PALLET OVERVIEW - ROW 3



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 257 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	19.88 ft²	1.85 m ²
Approx. Weight	1 860 lbs	844 kg
Number of rows	3	
Coverage per row	6.63 ft ²	0.62 m ²
Coverage per unit	A 0.55 ft ²	0.05 m ²
	B 1.10 ft ²	0.10 m ²
	B 1.66 ft ²	0.15 m ²
Linear coverage per pallet	39.75 lin. ft	12.12 lin. m



Unit dimensions	in	mm	Units/pallet
A			8 units
Height	6	152	
Depth 1	7 ¾	197	
Depth 2	8	203	
Length	13 ¼	337	
B			8 units
Height	6	152	
Depth 1	7 ¾	197	
Depth 2	8	203	
Length	26 ½	673	
C			4 units
Height	6	152	
Depth 1	7 ¾	197	
Depth 2	8	203	
Length	39 ¾	1 010	

Chocolate Brown



Rock Garden Brown



Baja Beige



Riviera



OUTDOOR FEATURES

FIREPLACES, FIRE PITS, PIZZA OVENS & GRILL ISLANDS





BRANDON RECTANGULAR FIRE PIT



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

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.

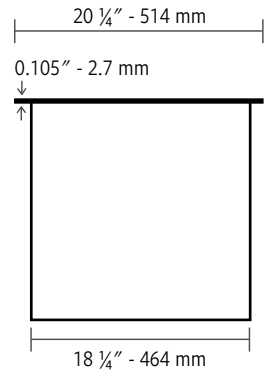
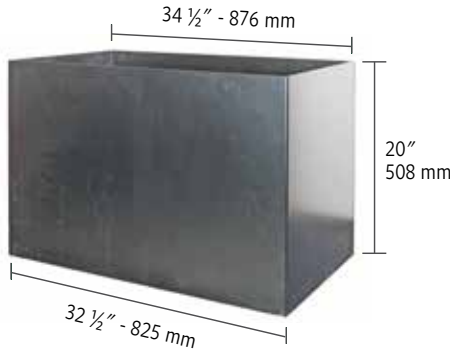
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See 267 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 1/2 in	1 130 mm
Overall Length	57 3/4 in	1 467 mm
Brandon 90 mm units	20 C units	
Brandon 90 mm corner units	30 units	
Cap units	8 units	

INSERT



FIRE PIT

Chestnut Brown



CAP

Rock Garden Brown



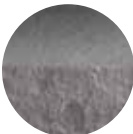
FIRE PIT

Shale Grey



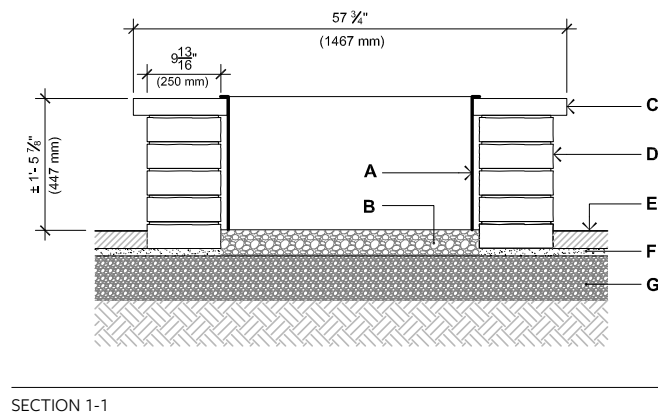
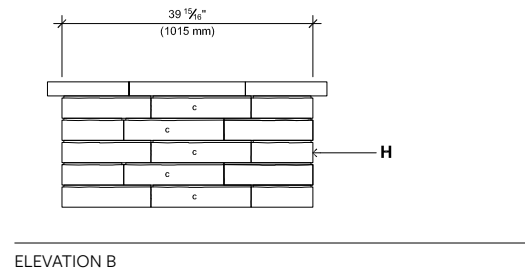
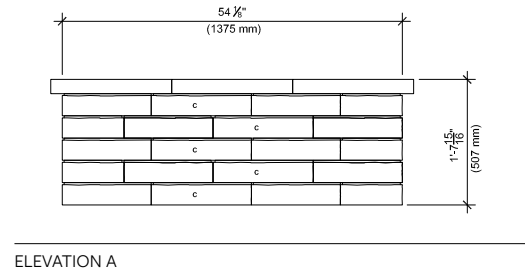
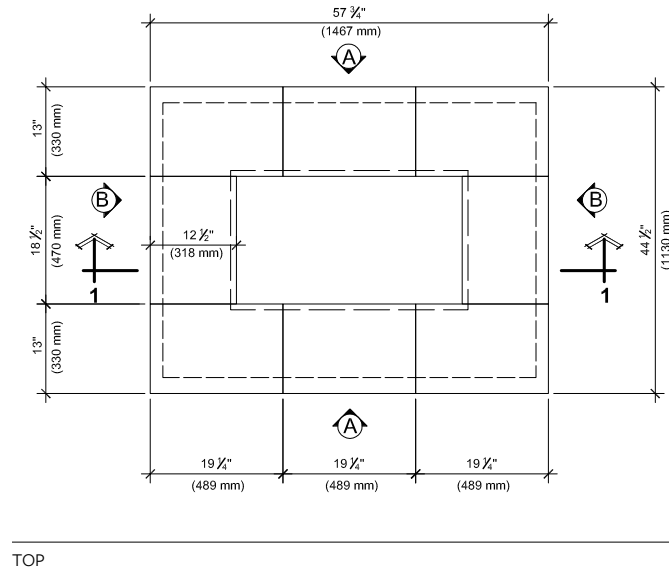
CAP

Riviera



INSTALLATION GUIDE

BRANDON RECTANGLE, FIRE PIT



- A. STEEL BOX INSERT
- B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- C. PIEDIMONTE CAP (PRE-CUT)
- D. BRANDON 90 mm BLOCK
- E. TECO-BLOC PAVERS OR SLABS
- F. SETTING BED 1" (25 mm)
- G. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- H. BRANDON 90 mm CORNER BLOCK

QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: 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.

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.



BRANDON SQUARE FIRE PIT



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

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.

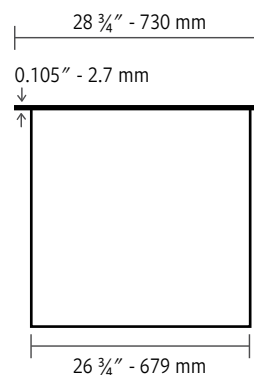
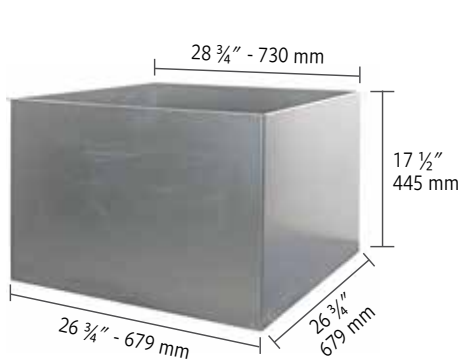
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See 269 for more technical information.

Specifications per pallet

	Imperial	Metric
Cubing	66 units	66 units
Approx. Weight	2 454 lbs	1 113 kg
Overall Height	19 ¹⁵ / ₁₆ in	507 mm
Overall Width	53 ¹ / ₂ in	1 359 mm
Overall Length	53 ¹ / ₂ 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	

INSERT



FIRE PIT

Chestnut Brown



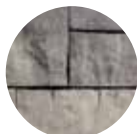
CAP

Rock Garden Brown



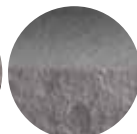
FIRE PIT

Shale Grey



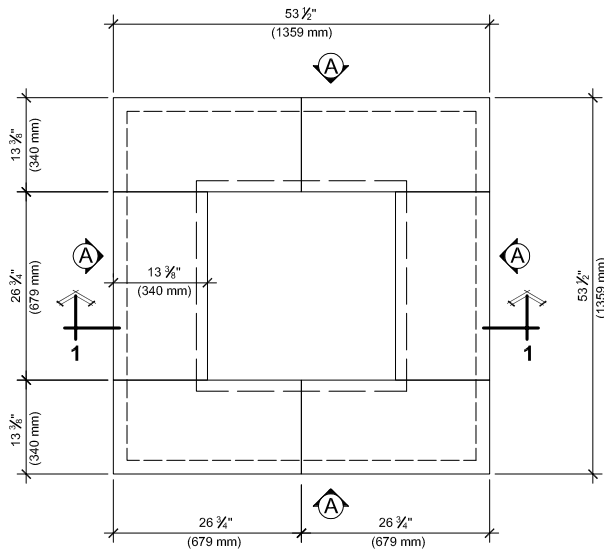
CAP

Riviera

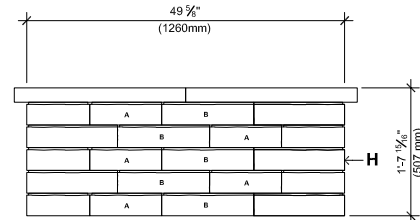


INSTALLATION GUIDE

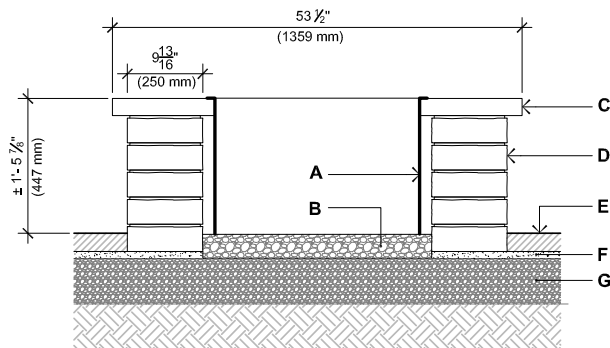
BRANDON SQUARE, FIRE PIT



TOP



ELEVATION A



SECTION 1-1

- A. STEEL BOX INSERT
- B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- C. PIEDIMONTE CAP (PRE-CUT)
- D. BRANDON 90 mm BLOCK
- E. TECO-BLOC PAVERS OR SLABS
- F. SETTING BED 1" (25 mm)
- G. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- H. BRANDON 90 mm CORNER BLOCK

QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: 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 and Aged

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



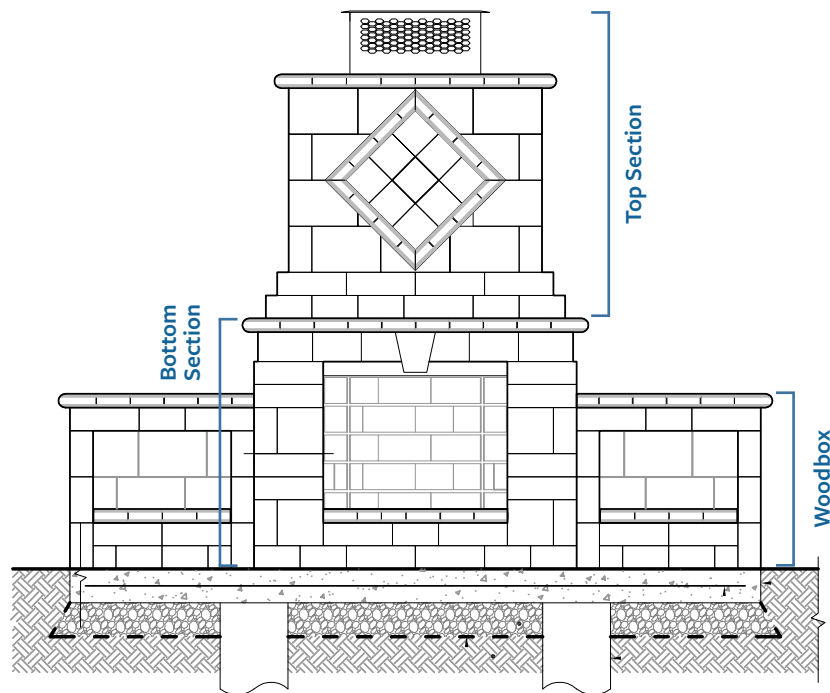
NOTES

See 271 for more technical information.



Report number: 0538WF001S

UL-127 & ULC-S610 compliant



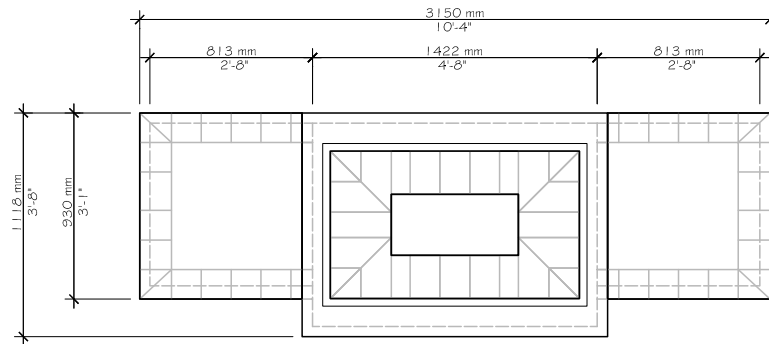
FRONT

Shale Grey

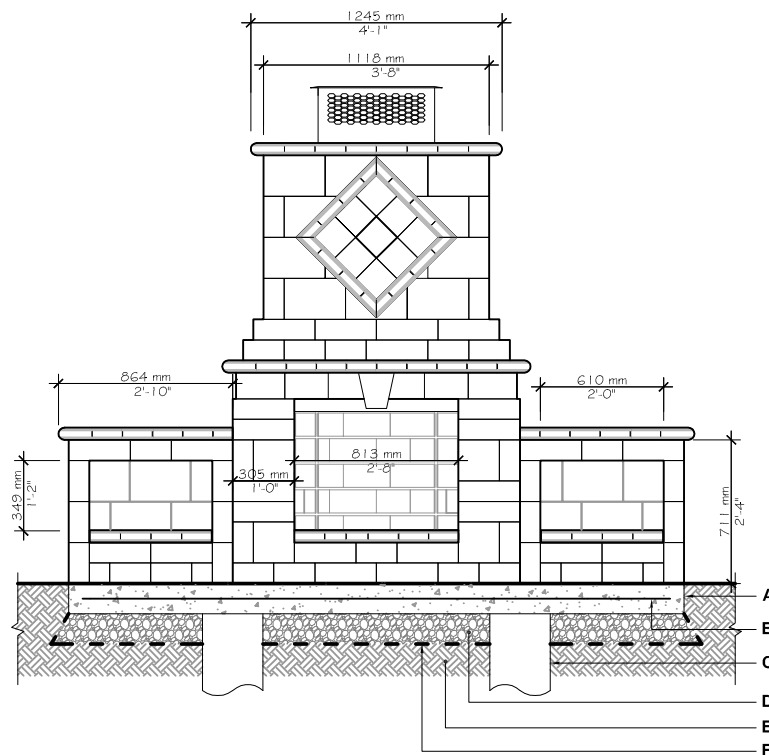


INSTALLATION GUIDE

MANCHESTER FOYER SHALE GREY

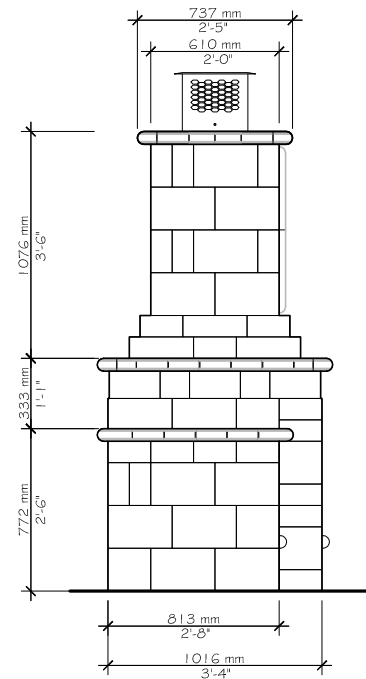


TOP



FRONT

- 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 (3/4") CLEAN STONE 150 mm (6") THICK MIN. AS PER SITE CONDITIONS
- E.** NATURAL SOIL OR COMPACTED BACKFILL
- F.** GEOTEXTILE



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 and Aged

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 ⅞ 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 ⅞ in	1 527 mm
Depth	44 in	1 118 mm



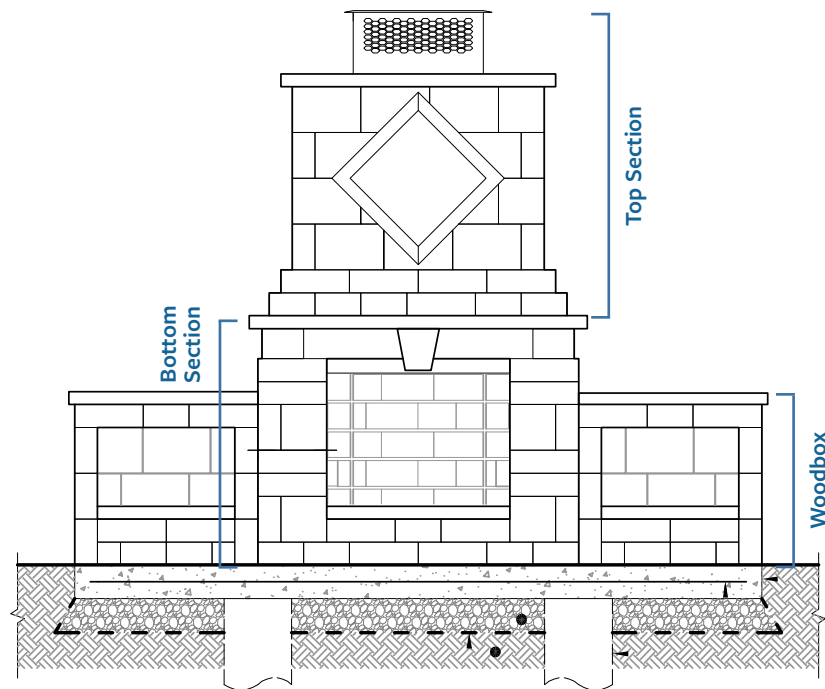
NOTES

See 273 for more technical information.



Report number: 0538WF001S

UL-127 & ULC-S610 compliant



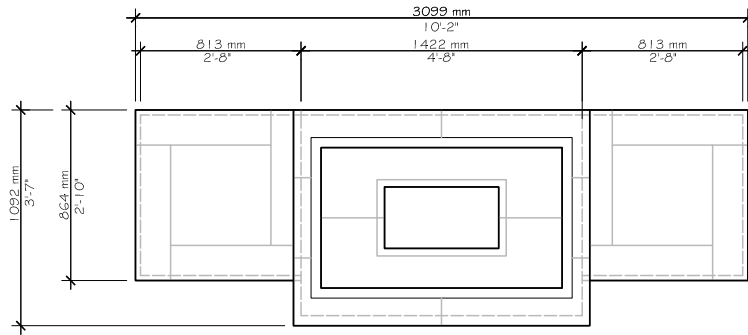
FRONT

Chestnut Brown

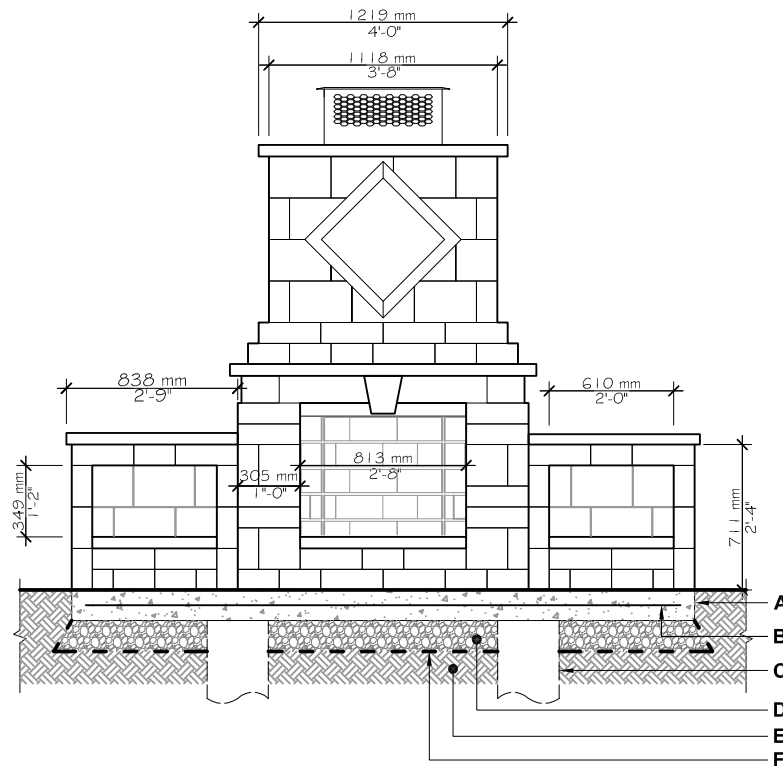


INSTALLATION GUIDE

MANCHESTER FOYER CHESTNUT BROWN

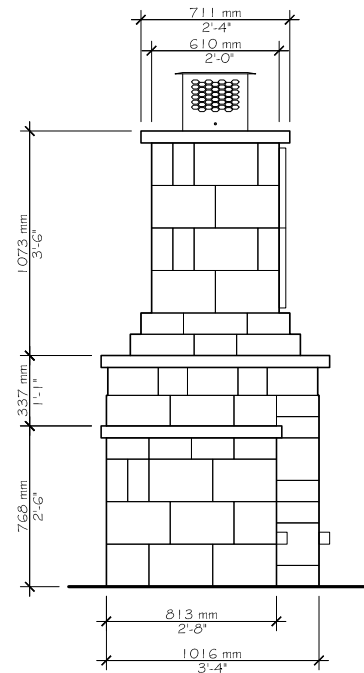


TOP



FRONT

- 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 (3/4") CLEAN STONE 150 mm (6") THICK MIN. AS PER SITE CONDITIONS
- E.** NATURAL SOIL OR COMPACTED BACKFILL
- F.** GEOTEXTILE



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.

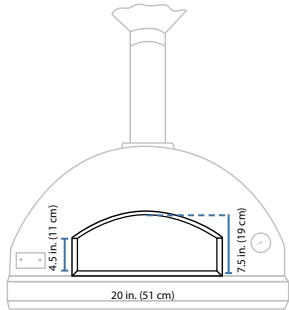
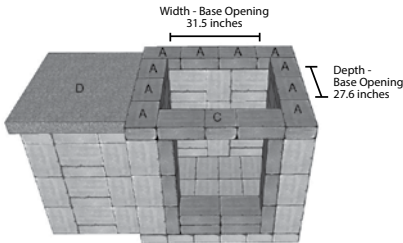
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

MANCHESTER PIZZA OVEN RUSTIC

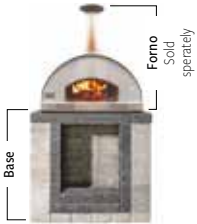
DESCRIPTION: Pizza oven TEXTURE: Smooth and Aged

T

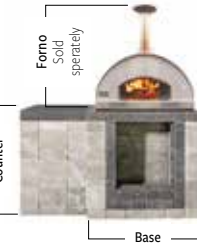
COMES WITH VARIOUS PIZZA ACCESSORIES.
2 pieces Modular system
Sold as a kit not pre-assembled.



Specifications per pal.		Imperial	Metric
BASE	Approx. Weight	2 803 lbs	1 271 kg
	Height	43 5/16 in	1 100 mm
	Depth	43 5/16 in	1 100 mm
	Length	47 1/4 in	1 200 mm
	Manchester shale Grey	112	
	Manchester onyx black	23	



Specifications per pal.		Imperial	Metric
COUNTER	Approx. Weight	2 330 lbs	1 056 kg
	Height	42 15/16 in	1 090 mm
	Depth	37 in	940 mm
	Length	30 in	762 mm
	Counter top	1	
	Manchester shale Grey	64	



Specifications per pal.		Imperial	Metric
FORNO PIZZA OVEN	Approx. Weight	400 lbs	181 kg
	Height	45 11/16 in	1 160 mm
	Width	33 11/16 in	855 mm
	Length	38 3/16 in	980 mm



NOTES

See 275 for more technical information about the Manchester Rustic pizza oven.

Cooking surface dimensions: 24" x 32"
(610 x 813 mm)

Chestnut Brown

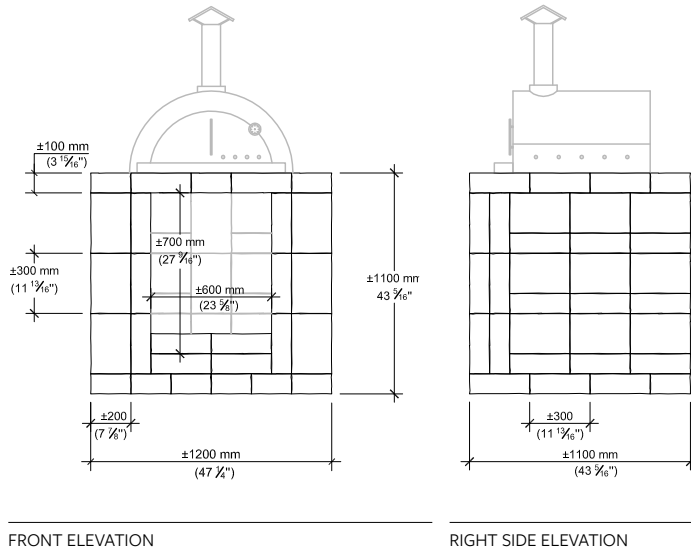
Shale Grey



INSTALLATION GUIDE

MANCHESTER RUSTIC, PIZZA OVEN

MODULE WITHOUT COUNTER TOP

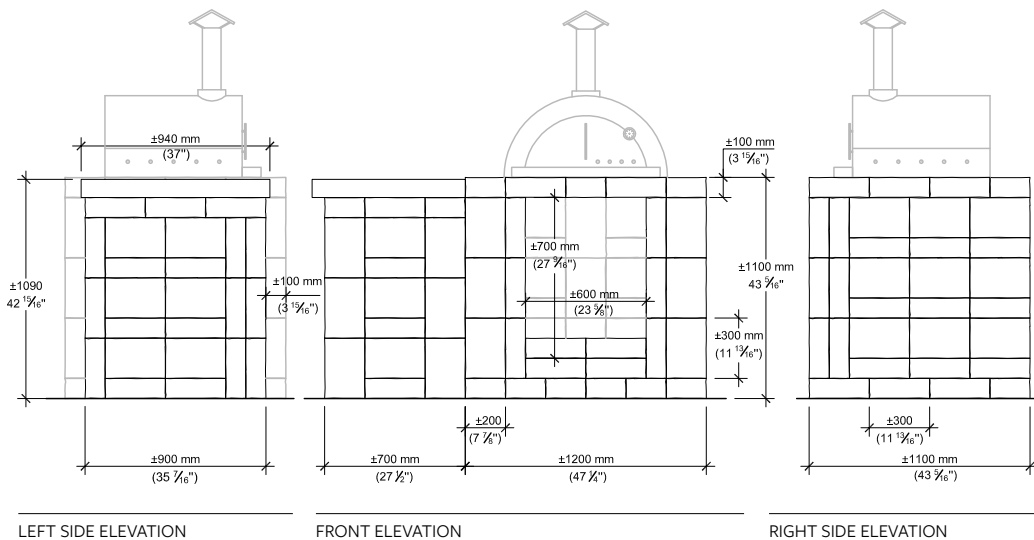


QUANTITY OF MATERIALS REQUIRED - MODULE WITHOUT COUNTER TOP

Manchester block (shale grey): **112**

Manchester block (onyx black): **23**

MODULE WITH COUNTER TOP



QUANTITY OF MATERIALS REQUIRED - MODULE WITH COUNTER TOP

Manchester block (shale grey): **176**

Manchester block (onyx black): **23**

Counter top: **1**

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code. 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.



PRESCOTT

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



NOTES

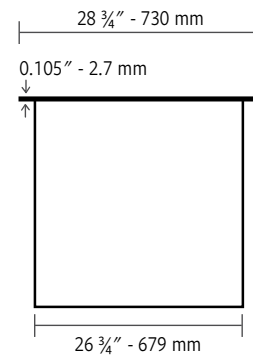
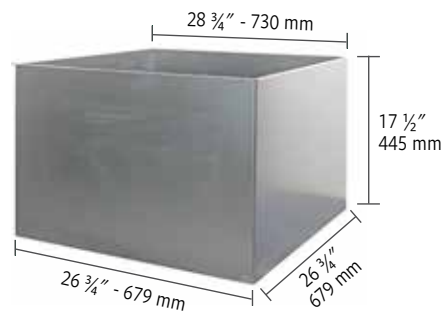
Sold as a kit not pre-assembled.
Piedimonte caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

* 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 277 for more technical information.

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	



FIRE PIT

CAP

Rock Garden Brown



FIRE PIT

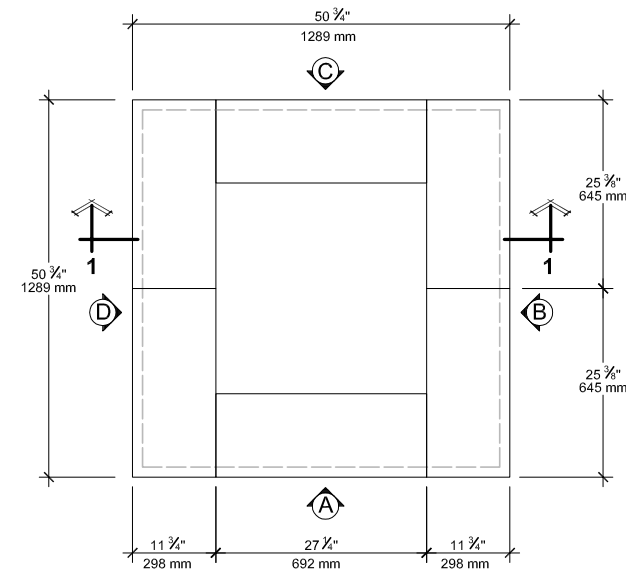
CAP

Riviera

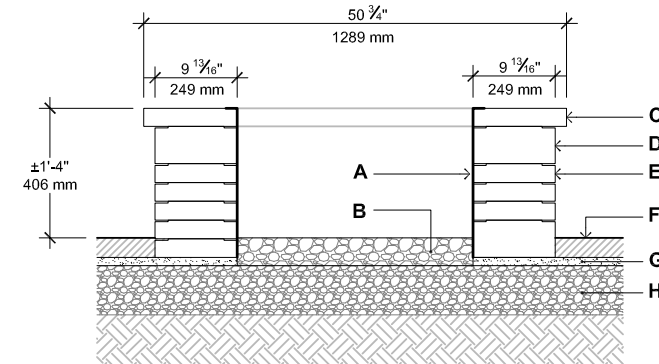


INSTALLATION GUIDE

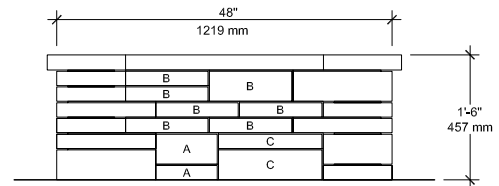
PRESCOTT FIRE PIT



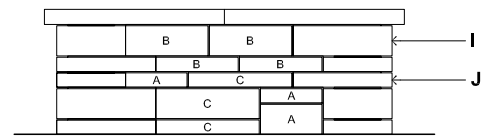
TOP



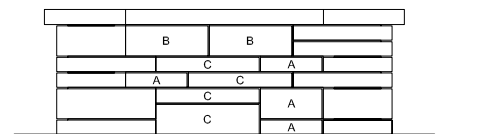
SECTION 1-1



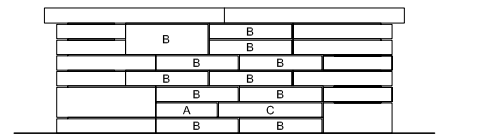
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

- A. STEEL BOX INSERT
- B. CLEAN STONE $\frac{3}{4}$ " (20 mm), 4" (100 mm) THICK
- C. PIEDIMONTE CAP (CUT)
- D. PRESCOTT 4.5" BLOCK
- E. PRESCOTT 2.25" BLOCK
- F. TECO-BLOC PAVERS OR SLABS
- G. SETTING BED 1" (25 mm)
- H. COMPACTED GRANULAR BASE 0- $\frac{3}{4}$ " (0-20 mm) (SEE TABLE PAGE 51 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.

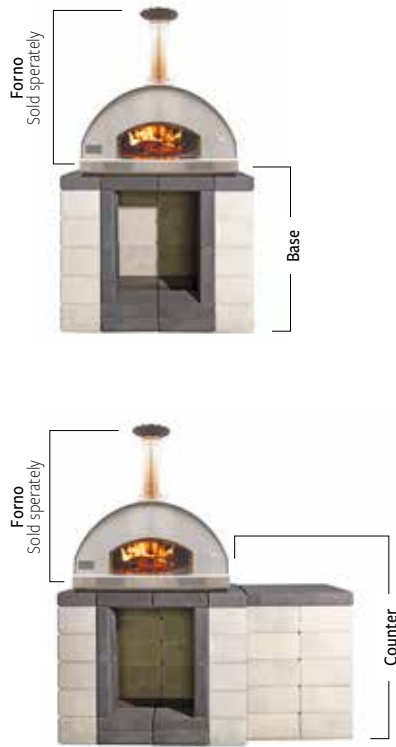
Consult our Installation Guide in our website for a detailed step by step installation.

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



RAFFINATO

DESCRIPTION: Pizza oven **TEXTURE:** Smooth



Specifications per pallet		Imperial	Metric
BASE	Approx. Weight	2 073 lbs	940 kg
	Height	39 in	990 mm
	Depth	42 3⁄8 in	1 077 mm
	Length	47 7⁄8 in	1 216 mm
	Raffinato 90 mm block	24	
	Raffinato 180 mm block	40	

Specifications per pallet		Imperial	Metric
COUNTER	Approx. Weight	1 330 lbs	603 kg
	Height	39 in	990 mm
	Depth	37 in	940 mm
	Length	30 in	762 mm
	Counter top	1	
	Raffinato 180 mm block	25	

Specifications per pallet		Imperial	Metric
FORNO, PIZZA OVEN	Approx. Weight	400 lbs	181 kg
	Height	45 1⁄16 in	1 160 mm
	Width	33 1⁄16 in	855 mm
	Length	38 5⁄16 in	980 mm



NOTES

Comes with various pizza accessories.
Sold as a kit not pre-assembled.

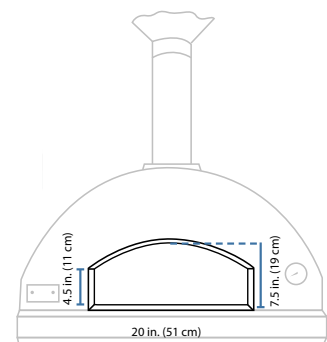
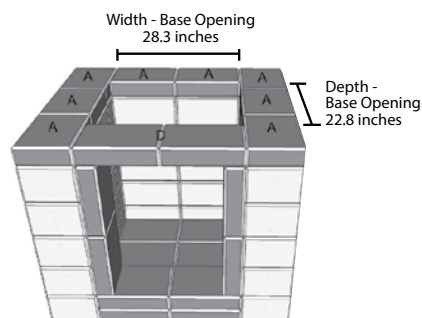
See 279 for more technical information.

Available on order only.

Cooking surface dimensions: 24" x 32"
(610 x 813 mm)

Beige Cream /
Greyed Nickel

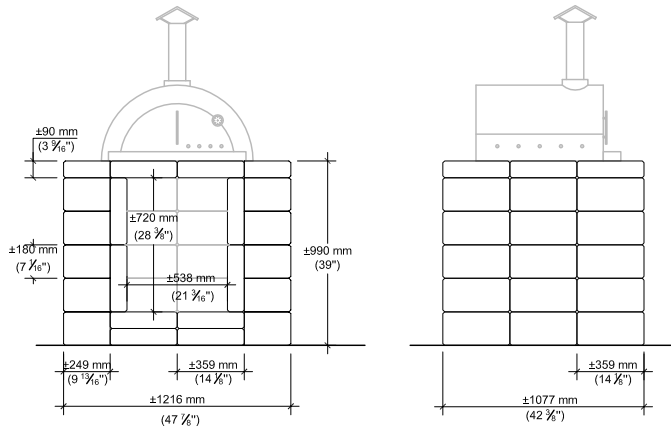
Greyed Nickel /
Onyx Black



INSTALLATION GUIDE

RAFFINATO, PIZZA OVEN

MODULE WITHOUT COUNTER TOP



FRONT ELEVATION

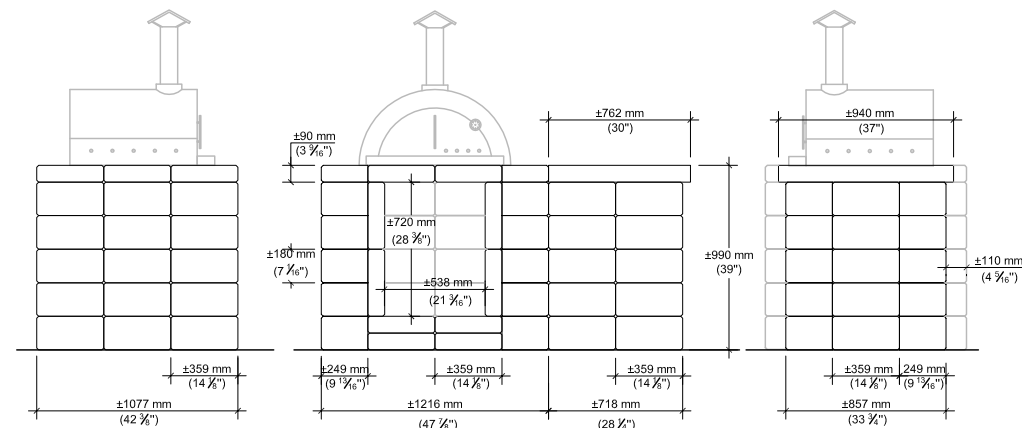
LEFT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITHOUT COUNTER TOP

Raffinato 90 mm block: **24**

Raffinato 180 mm block: **40**

MODULE WITH COUNTER TOP



LEFT SIDE ELEVATION

FRONT ELEVATION

RIGHT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITH COUNTER TOP

Raffinato 90 mm block: **24**

Raffinato 180 mm block: **65**

Counter top: **1**

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code.

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.



RAFFINATO

DESCRIPTION: Fire pit **TEXTURE:** Smooth



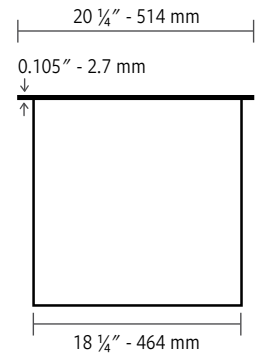
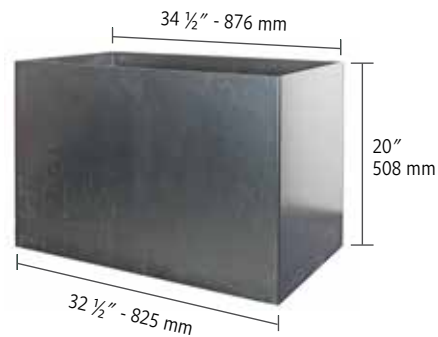
NOTES

Sold as a kit not pre-assembled.
12"×24" caps included.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

See 281 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	



FIRE PIT

Beige Cream /
Greyed Nickel



CAP

Greyed Nickel



FIRE PIT

Greyed Nickel /
Onyx Black



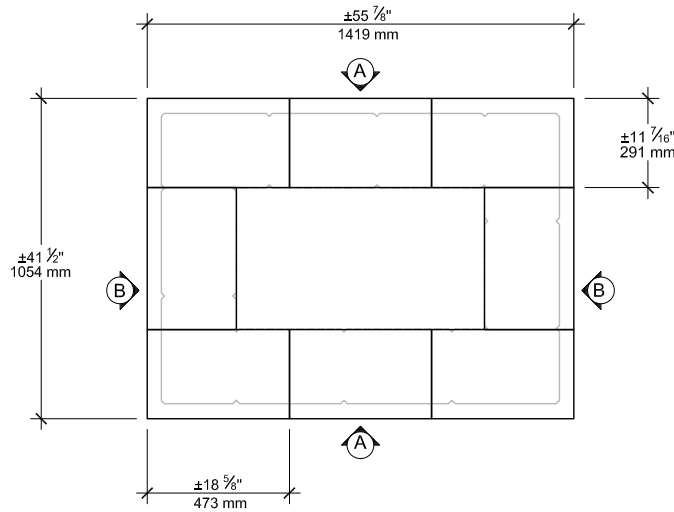
CAP

Onyx Black

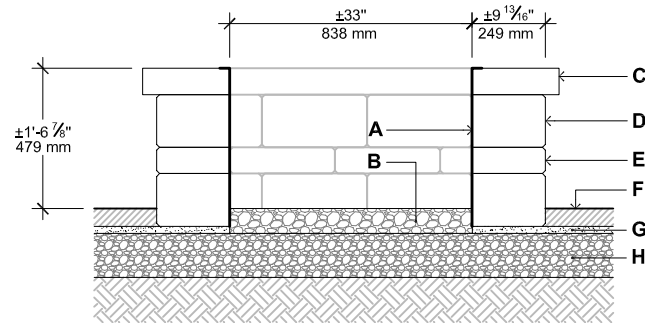


INSTALLATION GUIDE

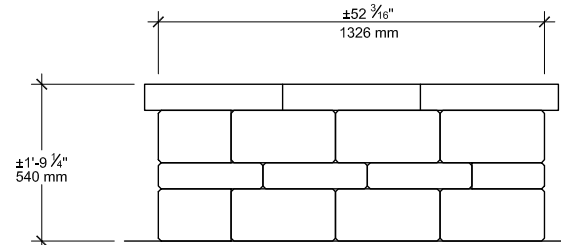
RAFFINATO FIRE PIT



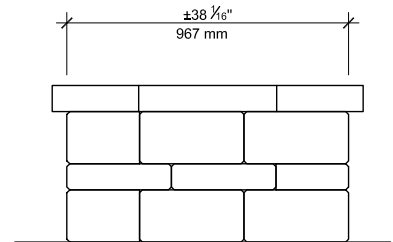
TOP



SECTION 1-1



ELEVATION A



ELEVATION B

- A. STEEL BOX INSERT
- B. CLEAN STONE $\frac{3}{4}"$ (20 mm), 4" (100 mm) THICK
- C. 12" x 24" CAP (CUT)
- D. RAFFINATO 180 mm CORNER BLOCK
- E. RAFFINATO 90 mm CORNER BLOCK
- F. TECO-BLOC PAVERS OR SLABS
- G. SETTING BED 1" (25 mm)
- H. COMPACTED GRANULAR BASE 0- $\frac{3}{4}"$ (0-20 mm)

QUANTITY OF MATERIALS REQUIRED

- 12" x 24" cap: **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.

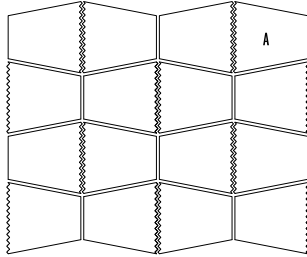
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.



VALENCIA

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

PALLET OVERVIEW



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.

See 283 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	80 units	80 units
Approx. Weight	1 557 lbs	706 kg
Height	14 $\frac{3}{4}$ in	375 mm
Exterior Diameter	48 $\frac{15}{16}$ in	1 243 mm
Interior Diameter	29 $\frac{1}{8}$ in	740 mm
Number of rows	5	



A



Unit dimensions	in	mm	Units/pallet
Height	2 $\frac{15}{16}$	75	80 units
Depth	9 $\frac{13}{16}$	250	
Length	9 $\frac{3}{4}$	247	

Insert



Chestnut Brown



Mojave Beige



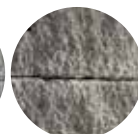
Sandlewood



Champlain Grey

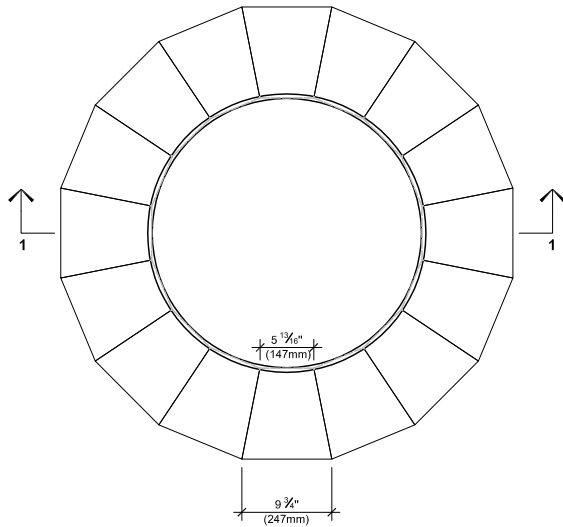


Shale Grey

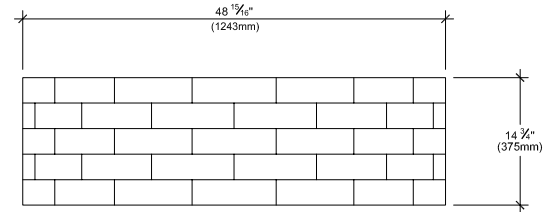


INSTALLATION GUIDE

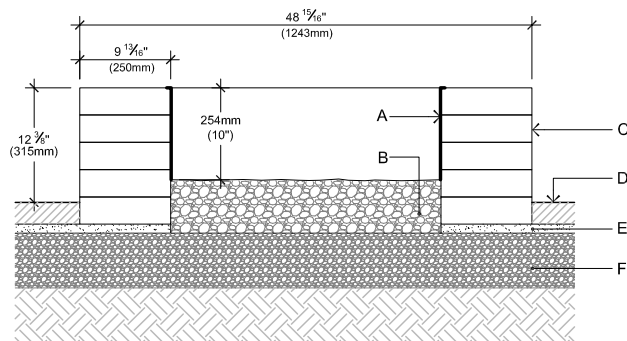
VALENCIA FIRE PIT



TOP VIEW



ELEVATION A



SECTION 1-1

- A. STEEL BOX INSERT
- B. CLEAN STONE $\frac{3}{4}$ " (20 mm), 6" (150 mm) THICK
- C. VALENCIA BLOCK
- D. TECO-BLOC PAVERS OR SLABS
- E. SETTING BED 1" (25 mm)
- F. COMPACTED GRANULAR BASE 0- $\frac{3}{4}$ " (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.

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

NOTES

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SEND US PICTURES OF IT!
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IN OUR CATALOG!**

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