



BELGARD®
— HARDSCAPES —

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Porcelain Pavers Installation Guide



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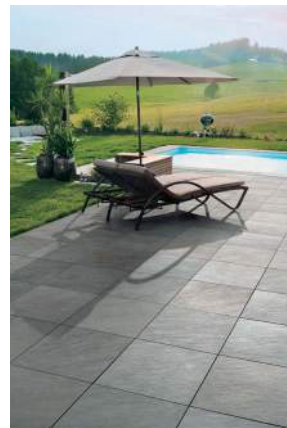
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Cover image is Ardesie.

Porcelain Pavers Installation Guide: Introduction

Porcelain Pavers Contractor Installation Information

PRELUDE:

This installation manual is designed to be used by professional hardscape contractors and assumes they are already familiar with the proper construction techniques; design considerations and have the required skills for the installation of interlocking paving stones. It further assumes that the contractor has access to the required tools for such construction.

INTRODUCTION:

Belgard Porcelain Pavers are formed by pressing, followed by vitrification: this process involves the total fusion into a single material made from natural raw materials (sand, quartz, feldspars, kaolin, clays and inorganic pigments) which, fired at temperatures above 2240°F, are transformed into a product with exceptional hardness, ultra-low absorption rate and unmatched mechanical characteristics. Belgard porcelain pavers are eco-compatible and ecolabel-certified. Each unit is 20mm (0.7874") standard thickness or ¾" nominal thickness and is durable enough to withstand use in exterior applications.

Porcelain Pavers ADVANTAGES:

- Freeze thaw resistant—they are 100% frost-free and their properties remain unaltered at temperatures ranging from -60°F to +140°F.
- Color durability—color is fused by vitrification, becomes an integral part of the porcelain surface and is not affected by elements.
- Easy installation—perfect fit and for fast installs
- Low absorption rate—spills, salt and other materials will not seep into pours
- Easy to clean—household cleaners can be used to wipe down spills and dirt; can even be pressure washed with a low pressure washing device* (see pressure washing warning below).*
- Stylish—matches what homeowners are currently doing inside the home
- Durable—high breakage loads of up to 2,200 lbs. allows for breakage reduction
- Resistant—High compressive strength and ultra-low absorption rate creates a dense surface that resists mold, moss, dirt and other staining.
- Skid-resistant—structured paver top textures create non-slip surfaces for safety; perfect for around pools/spas or in wet climates
- Modular Design—Superior accuracy in dimensional sizing and linear sides, the slabs allow for perfectly executed installations with tight and accurate lines
- Light weight—37 lbs. for the 24"x24" paver permit for easy installation, removal and serviceability and even reusability (Excluding adhered installations)
- Available in colors that have an SRI that qualifies for a LEED certification. The SRI on some units ranges between 60-80%. To receive LEED credit, the SRI must be at least 29%.
- Impermeable--deicing salt and other deicing materials can be used without concern of damage.

*** It is important that all pressure washing of your porcelain pavers be done with a low pressure washer with a maximum of 1600 psi and nothing more powerful. When pressure washing your installation, care should be taken to prevent damage to the grout (adhesive and grout installations) and some re-sanding will be necessary when power washing an installation with sand or polymeric sand joints.**

SPECIALTY TOOLS FOR PORCELAIN PAVER CONSTRUCTION:

- Wet cut tile saw equipped with a diamond blade manufactured for wet cutting porcelain. The saw should be designed to safely cut a 24 inch length porcelain paver.
- A paver clamp for easy handling, which can be used to both install and remove pavers.
- The use of gloves is highly recommended while handling and installing porcelain slabs.
- Appropriate notched trowels and grout float tools for cementitious adhesive and grout Installation. The appropriate tool selection would be based on the adhesive and grout manufacturer's recommendations.



HANDLING:

- Pallets of porcelain pavers are manufactured and shipped with a Heavy Duty plastic protective pallet cover and the individual porcelain pavers are packaged in protective cardboard boxes. To prevent damage to your pavers, do not remove the protective cardboard boxes until you are ready to install them.

CAUTION: Removing pavers from their protective packaging and handling multiple loose stones together creates the possibility for chipping.



Porcelain Pavers Installation Guide: Introduction

- Once the Heavy Duty plastic pallet covers have been removed from the pallet, the un-used boxed pavers should be protected from the elements to insure the integrity of the protective cardboard boxes.

INSTALLATION INFORMATION:

Each of the following option details will include specific information relative to the selected installation. Base thicknesses vary between different geographical and climatic locations and the contractor will be installing typical base thicknesses for paving installations in their location.

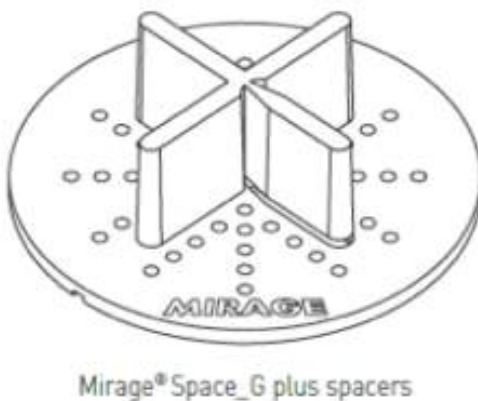
IMPORTANT: Installing porcelain pavers requires the bedding course sand to be pre-compacted and then struck off with a screed to the required thickness as shown in the detail drawings. The porcelain pavers are not compacted and therefore the sand layer beneath them requires pre-compaction. Do not compact dry sand, but insure the sand has a 5 to 6% moisture content so that it will compact cohesively and allow for a smooth strike off finish.

INSTALLATION INFORMATION THAT MUST BE FOLLOWED :

- NEVER compact porcelain pavers with a plate compactor.
- ALWAYS pre-compact and strike off your sand leveling course before installing your porcelain pavers in sand set installations.
- Porcelain pavers should only be wet cut with a tile saw equipped with a wet cut porcelain blade.
- NEVER install porcelain pavers without the required 4mm spacing between them. The porcelain pavers should never be installed with a porcelain to porcelain contact. Plastic 4mm spacers (Spacer G shown in photos below) should be used on Sand Set and Permeable installations. The photo on the left illustrates the spacer installed in a perspective to support and space 4 paver corners and the photo on the right illustrates the installed spacer snapped apart (as designed) to form Space T that support 2 paver corners. This versatility will permit your porcelain pavers to be installed in a stack bond pattern, a running bond patterns as well as a flush installation against another structure.
- For a 100 sf. project, approximately 34 spacers are needed; this allows for overages if needed.



Spacer G



Mirage® Space_G plus spacers



Spacer T

Porcelain Pavers Installation Guide: Introduction

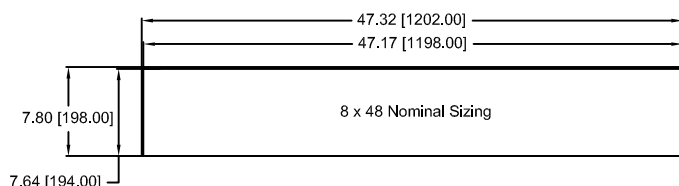
Legal Disclaimer

The nominal measurements include 4mm for product spacers which are sold separately. Although extreme care has been taken to ensure the accuracy of all measurements set forth herein, Manufacturer assumes no liability relating thereto.

STANDARD CALIBER - (M)

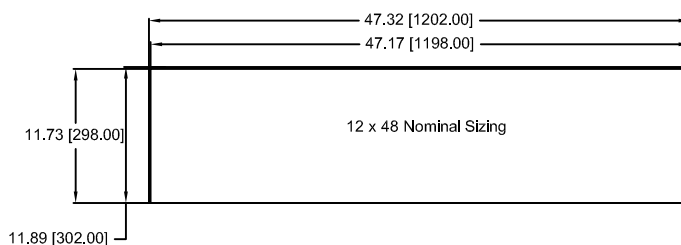
8"x 48" Nominal sizing

Calibrated unit cut sizing without spacing = 194x1198mm or 7.64" x 47.17"
With 4mm spacing added to two planes = 198mm x 1202mm or 7.80" x 47.32"



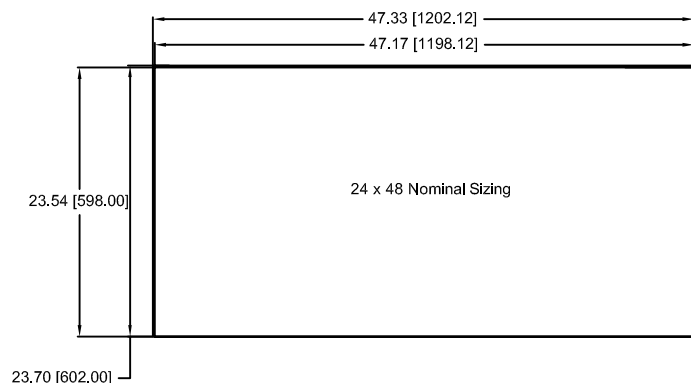
12"x 48" Nominal sizing

Calibrated unit cut sizing without spacing = 298x1198mm or 11.73" x 47.17"
With 4mm spacing added to two planes = 302mm x 1202mm or 11.89" x 47.32"



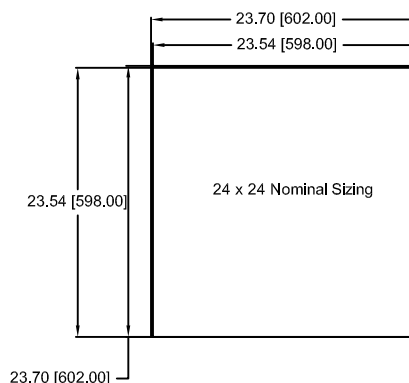
24"x 48" Nominal sizing

Calibrated unit cut sizing without spacing = 598x1198mm or 23.54" x 47.17"
With 4mm spacing added to two planes = 602mm x 1202mm or 23.70" x 47.32"



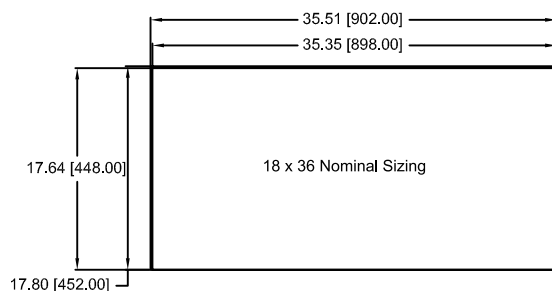
24"x 24" Nominal sizing

Calibrated unit cut sizing without spacing = 598x598mm or 23.54" x 23.54"
With 4mm spacing added to two planes = 602mm x 602mm or 23.70" x 23.70"



18"x 36" Nominal sizing

Calibrated unit cut sizing without spacing = 448x898mm or 17.64" x 35.35"
With 4mm spacing added to two planes = 452mm x 902mm or 17.80" x 35.51"

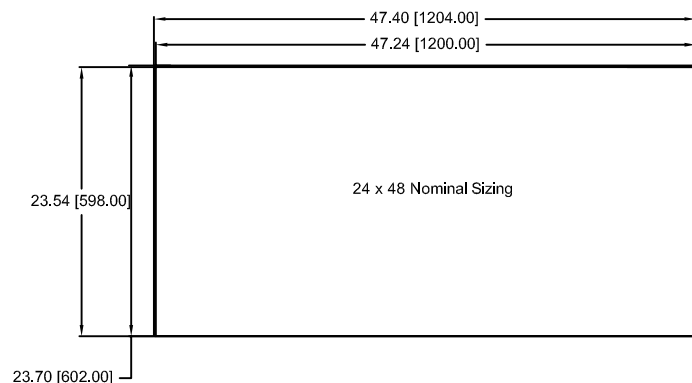


Porcelain Pavers Installation Guide: Introduction

CALIBER - (U) - only for modular collections

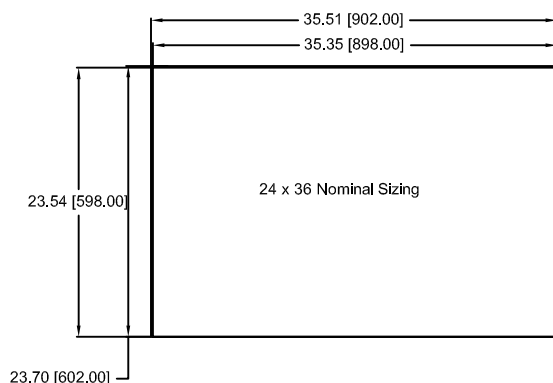
24"x 48" Nominal sizing

Calibrated unit cut sizing without spacing = 598x1200mm or 23.54" x 47.24"
With 4mm spacing added to two planes = 602mm x 1204mm or 23.70" x 47.40"



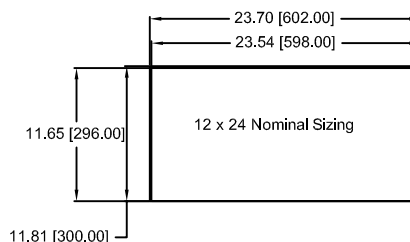
24"x 36" Nominal sizing

Calibrated unit cut sizing without spacing = 598x898mm or 23.54" x 35.35"
With 4mm spacing added to two planes = 602mm x 902mm or 23.70" x 35.51"



12"x 24" Nominal sizing

Calibrated unit cut sizing without spacing = 296x598mm or 11.65" x 23.54"
With 4mm spacing added to two planes = 300mm x 602mm or 11.81" x 23.70"



JOINT INFILLING INFORMATION:

When porcelain pavers are installed as sand set installations, you may fill the 4mm paver joints with:

TRADITIONAL SAND

Dry traditional sand is swept into the open joints until they are completely filled. Excess sand should be swept off of the pavement. Keep in mind that sand joint may in time have to be re-sanded as wind and rain can cause some erosion

CEMENT BLENDED SAND

Dry cement blended sand (typical 3 parts sand to 1 part cement) is swept into the open joints until they are completely filled. Excess cement blended sand is swept off of the pavement. It is extremely important that all of the excess sand and dust be swept from the surface (blowers can be used for final dust removal), as any residual dust or sand can stain the surface. After joints are full and the surface is clean the pavement is misted with water to activate the cement and the curing of the mixture.

POLYMERIC SAND

Polymeric sand is a manufactured sand that is blended with polymers which hardens when subjected to moisture. The sand is swept into the open joints until they are completely filled. Like cement blended sand, it is extremely important that all excess sand and dust be swept from the surface (blowers can be used for final dust removal), as any residual dust or sand can stain the surface. After joints are full and the surface is clean, the pavement is misted with water to activate the polymer and curing of the mixture.



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Porcelain Pavers Installation Guide: Introduction

SNOW REMOVAL:

The surface of the Belgard porcelain paver is very hard and very resistant to scratching; normal shoveling is not a problem. Use a plastic or plastic edged shovel to insure that an edge of the paver is not accidentally caught; like on any pavement, use of metal shovels can cause chips to corners or surface. If using a snow blower, insure the impeller is adjusted to at least ¼ inch above the surface to prevent damage (1/4 inch height is recommended with snow blower use on any pavement).

Belgard approved deicing materials can be used on the porcelain pavers without concern of any damage. Approved deicing chemicals are sodium chloride (NaCl) and to the extent temperature falls below 14° F, Calcium Chloride (CaCl₂).

IMPORTANT NOTES:

i. When selecting sand for a traditional sand or cement blended sand infill, insure the gradation of the sand is fine enough to pass through and fill the 4 mm joints.

ii. When using Polymeric Sand it is important to follow the manufacturer's instructions to insure there is no surface staining.

iii. Cement blended sand and polymeric sand can both contribute to a reduction in joint plant growth and insect infiltration within the joint infill material.

INSTALLATION OPTIONS:

1. Sand Set over Compacted Road Base Installation..... (Pedestrian Foot Traffic)
2. Sand Set over Concrete Overlay Installation (Pedestrian Foot Traffic)
3. Cementitious Adhesive Overlay, Concrete Base Installation..... (Light Vehicle Traffic)
4. Permeable Over Open Graded Aggregate Installation (Pedestrian Foot Traffic)
5. Stepping Stone Sand Set on Compacted Road Base Installation..... (Pedestrian Foot Traffic)
6. ¾" Fixed Pedestal Installation on Concrete Floor..... (Pedestrian Foot Traffic)

Roof Top and Commercial Raised Pedestal Installations require engineered design. For Engineered support in these applications, please contact Mike McVey at Mike.McVey@oldcastle.com.

For additional technical information on the installation of porcelain pavers, please contact Len Browning at Len.Browning@oldcastle.com.





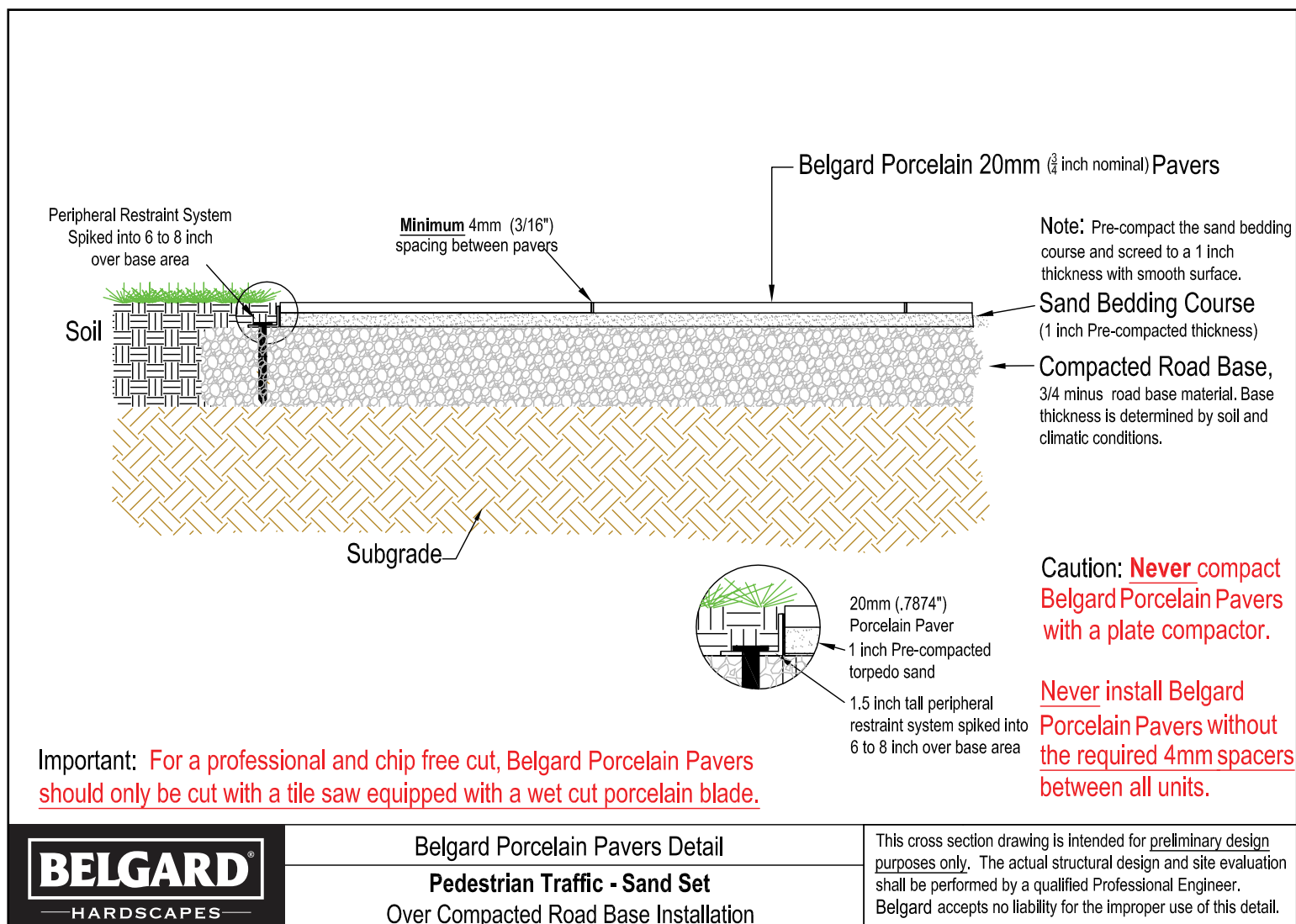
INSTALLATION OPTIONS

Porcelain Pavers Installation Guide: Installation Options

1. Sand Set over Compacted Road Base Installation – (Pedestrian Foot Traffic)

INSTALLATION NOTES:

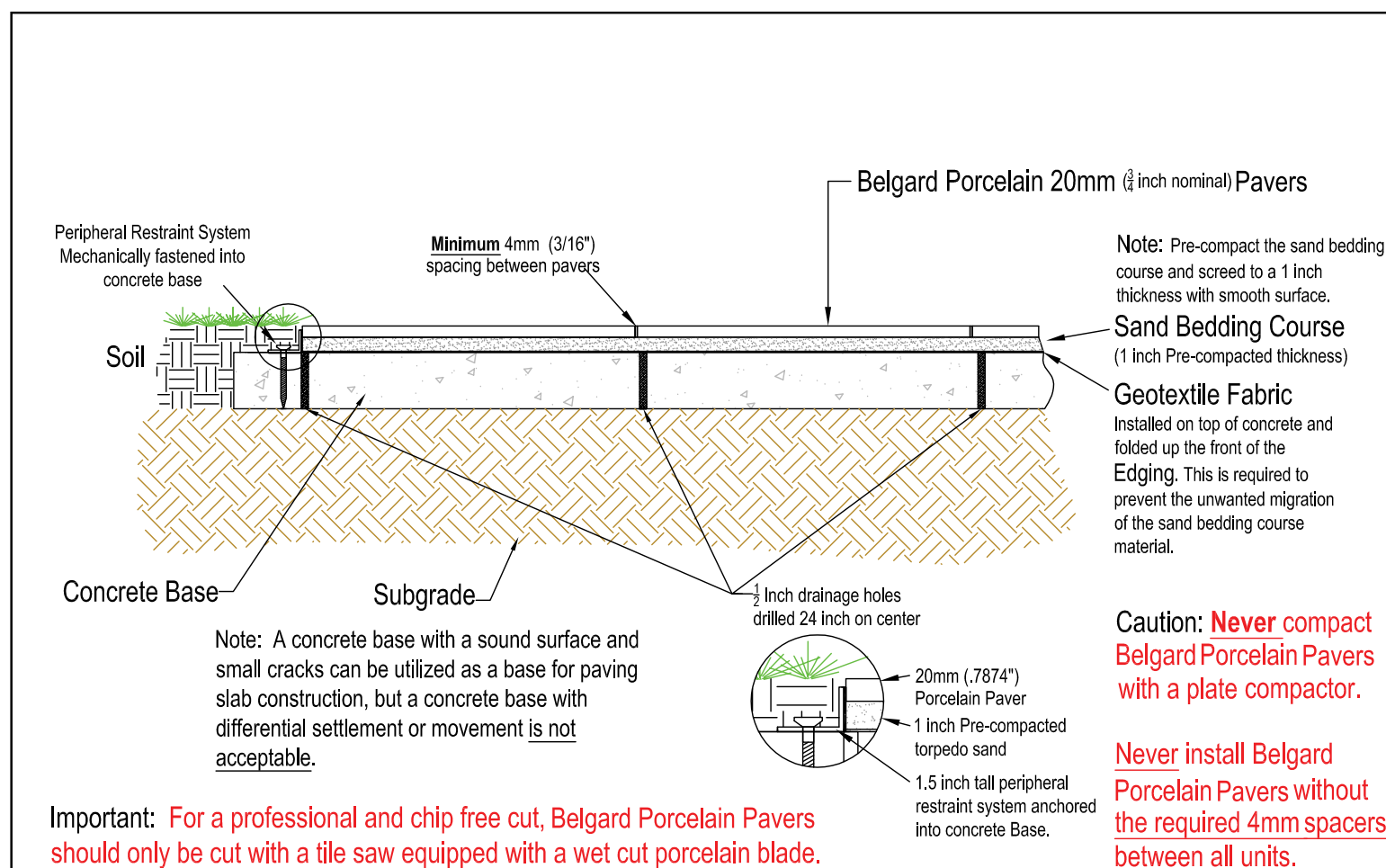
- Follow the detail drawing below.
- Base material is to be over based 6 to 8 inches beyond the edge of the pavement.
- The required edge restraint system is a low profile edge restraint with a vertical height of 1 ½ inches as shown in the drawing.
- Insure that pavement is constructed with a 1 ½ to 2 degree slope that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers.



2. Sand Set over Concrete Overlay Installation (Pedestrian Foot Traffic)

INSTALLATION NOTES:

- Follow the detail drawing below.
- The required edge restraint system is a low profile edge restraint with a vertical height of 1 ½ inches as shown in the drawing.
- Mechanically anchor edge restraint into the concrete base.
- Insure geotextile is installed directly on top of the concrete to contain the bedding sand.
- Insure that pavement is constructed with a 1 ½ to 2 degree slope and that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers.



3. Cementitious Adhesive Overlay, Concrete Base Installation (Light Vehicle Traffic)

INSTALLATION NOTES:

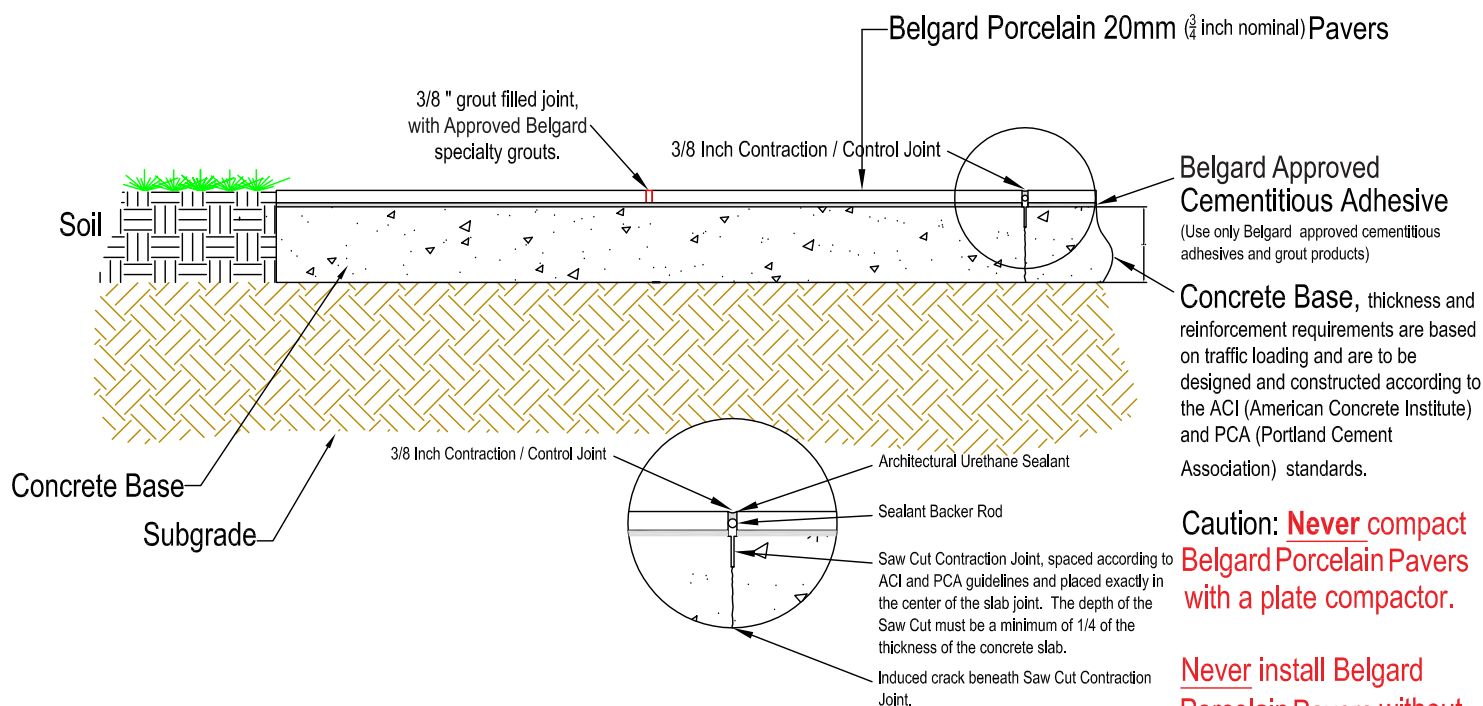
- Follow the detail drawing below.
- Insure that pavement is constructed with a 2 degree pitch and that it is pitched away from any building.
- Referenced approved Cementitious Adhesives. www.mapei.com/public/US/products/Kerabond_T-Keralastic_EN_lr.pdf
www.mapei.com/public/US/products/Ultraflex_LFT_EN_lr.pdf
- Referenced approved joint grout products. www.mapei.com/public/US/products/ultracolorplus_tds_ea.pdf,
www.mapei.com/public/US/products/kerapoxytds_ea.pdf

For Cementitious adhesive and grout installation, refer to the manufacturer's technical instructions and specifically as they relate to outdoor installations.

- For concrete foundation slabs that are not large enough to require contraction / control joints, a minimum 4mm (1/8" to 3/16 ") grout joint is acceptable, but for larger concrete foundation slabs that do require contraction / control joints, the joint width should be a 3/8". It is absolutely imperative that all contraction / control joints be located in the joint line of installed porcelain pavers and not beneath a paver.

CAUTION: If a Porcelain Paver is installed over a control joint, the paver will reflectively crack along the contraction / control joint beneath it.

- The following contractor installation video shows a cementitious adhesive installation of porcelain pavers.
www.mirage.it/en/floors-and-coverings/evo_2e/laying-systems/adhesive-installation/

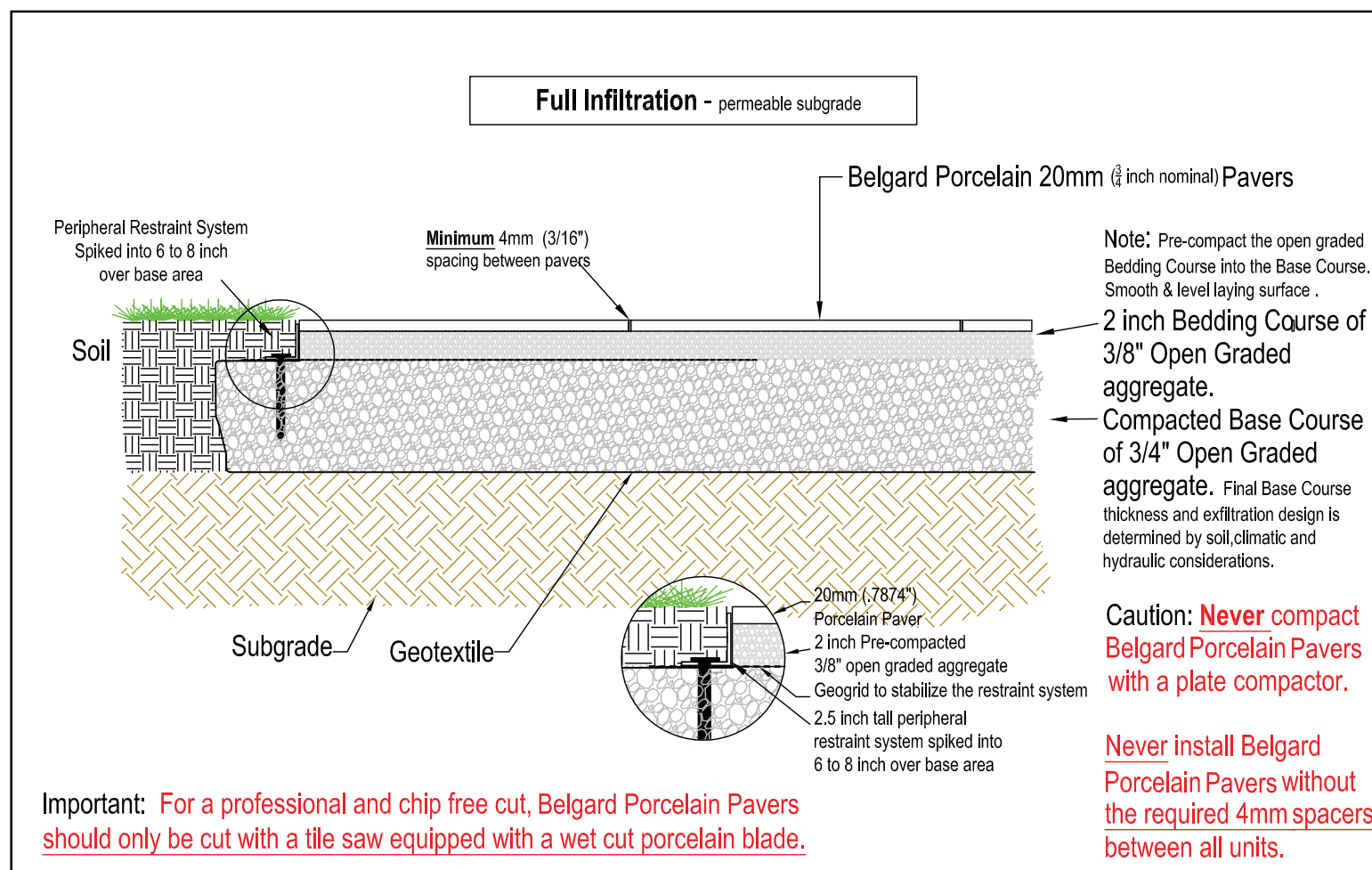


Important: For a professional and chip free cut, Belgard Porcelain Pavers should only be cut with a tile saw equipped with a wet cut porcelain blade.

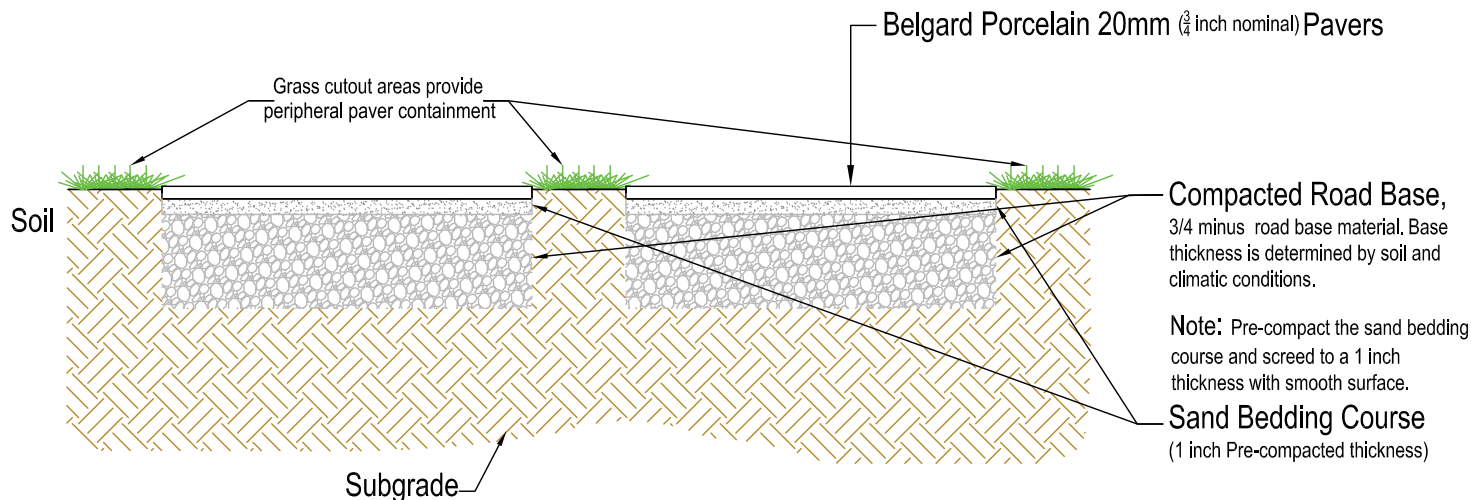
4. Permeable Over Open Graded Aggregate Installation (Pedestrian Foot Traffic)

INSTALLATION NOTES:

- Follow the detail drawing below.
- The required edge restraint system for this installation has a vertical height of 2 ½ inches as shown in the drawing. Follow the edge restraint manufacturer's recommendations for the use of their product in permeable applications regarding geogrid usage and placement to maintain the performance of there edging.
- Insure that pavement is constructed with a 2 degree pitch and that it is pitched away from any building.
- Insure the 4mm spacers are installed between all pavers.



5. Stepping Stone Sand Set on Compacted Road Base Installation (Pedestrian Foot Traffic)



Caution: **Never** compact Belgard Porcelain Pavers with a plate compactor.

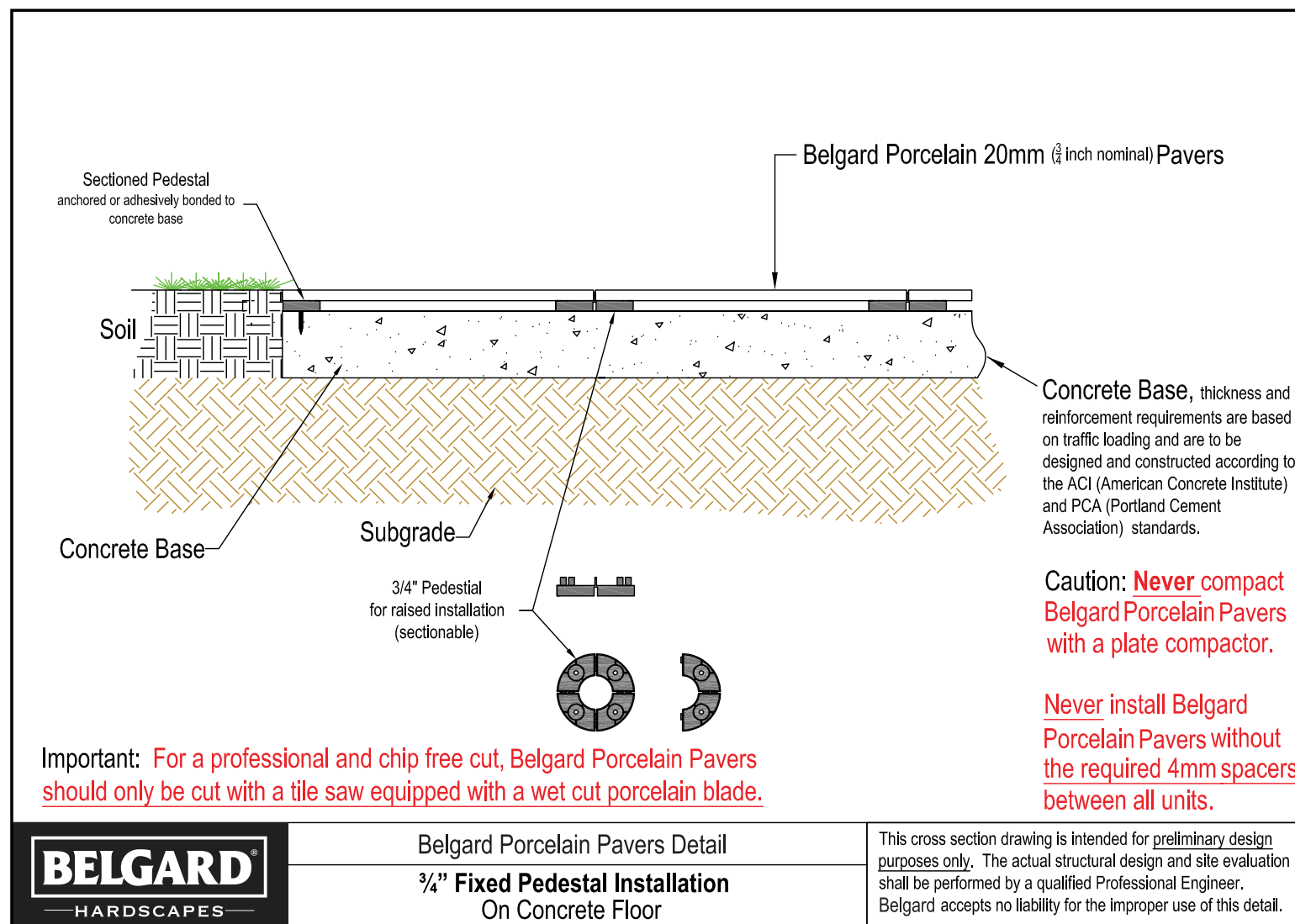
Never install Belgard Porcelain Pavers without the required 4mm spacers between all units.

Important: For a professional and chip free cut, Belgard Porcelain Pavers should only be cut with a tile saw equipped with a wet cut porcelain blade.

6. ¾" Fixed Pedestal Installation on Concrete Floor (Pedestrian Foot Traffic)

INSTALLATION NOTES:

- Follow the detail drawing below.
- Insure that concrete slab is smooth, even across the surface and is constructed with a 2 degree pitch and that it is pitched away from any building.
- Insure the plastic ¾" pedestal support are installed at all corners of the installed pavers.





PRODUCT OPTIONS

Quarziti 2.0



Available Colors



Glacier QR 01 NAT



Mountains QR 02 NAT



Waterfall QR 03 NAT



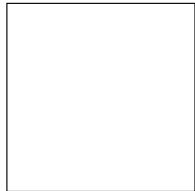
River QR 04 NAT



Mantle QR 05 NAT



Shapes & Sizes



24"x24"x³/₄" NAT - 24"x24"x1¹/₄" NAT

MODULAR*



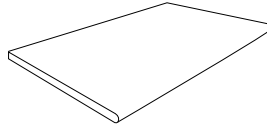
24"x36"x³/₄" NAT

* Available colours:
QR 02 - QR 03 - QR 05



12"x24"x³/₄" NAT

UNICO



13"x24"x³/₄"

NAT: Natural

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



	24"x24"x ³ / ₄ "	24"x24"x1 ¹ / ₄ "	MODULAR	UNICO
Gross weight per box (lbs)	72	55	73.7	52
Pieces / Box	2	1	2	3
Sq ft / box	7.75	3.9	7.75	—
Boxes / full pallet	30	40	20	—
Sq ft / pallet	232.5	156	155	—
Pallet gross weight	2160	2200	1475	—



Uniform appearance



Slight variation



Moderate variation



Substantial variation



SRI (60-80%):
Solar Reflectance Index



Available Colors



Island AD 02 NAT



African Stone AD 03 NAT



Vulcan AD 05 NAT









Shapes & Sizes

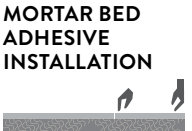
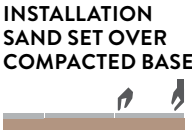


24"x24"x³/₄" NAT

NAT: Natural

	24"x24"x ³ / ₄ "
 Gross weight per box (lbs)	72
 Pieces / Box	2
 Sq ft / box	7.75
 Boxes / full pallet	30
 Sq ft / pallet	232.5
 Pallet gross weight	2160

Laying Systems





Available Colors



Cremo Delicato EP 01 ST



Pietra Piasentina EP 02 ST



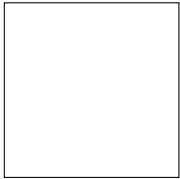
Lagos Grey EP 03 ST



Crema Luna EP 04 ST



Shapes & Sizes



24"x24"x³/₄" ST

ST: Structured

	24"x24"x ³ / ₄ "
Gross weight per box (lbs)	72
Pieces / Box	2
Sq ft / box	7.75
Boxes / full pallet	30
Sq ft / pallet	232.5
Pallet gross weight	2160

Laying Systems

INSTALLATION
SAND SET OVER
COMPACTED BASE



INSTALLATION
ON PERMEABLE
AGGREGATE BASE



MORTAR BED
ADHESIVE
INSTALLATION



Stones 2.0



Available Colors



Chambrod SO 05 ST



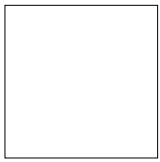
Pierre Bleue SO 10 ST



Pierre Bleue Sablée SO 11 ST

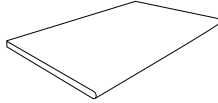


Shapes & Sizes



24"x24"x³/₄" ST

UNICO



13"x24"x³/₄"

ST: Structured

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE









INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



	24"x24"x ³ / ₄ "	UNICO
 Gross weight per box (lbs)	72	52
 Pieces / Box	2	3
 Sq ft / box	7.75	—
 Boxes / full pallet	30	—
 Sq ft / pallet	232.5	—
 Pallet gross weight	2160	—



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



SRI (60-80%):
Solar Reflectance Index



Available Colors



Origin SD 01 RD



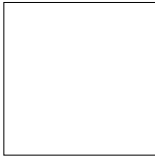
Classic SD 02 RD



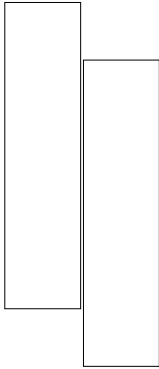
Spirit SD 03 RD



Shapes & Sizes



24" x 24" x 3/4" RD



12" x 48" x 3/4" RD

RD: Radiale

Laying Systems

INSTALLATION
SAND SET OVER
COMPACTED BASE



INSTALLATION
ON PERMEABLE
AGGREGATE BASE



MORTAR BED
ADHESIVE
INSTALLATION



	24" x 24" x 3/4"	12" x 48" x 3/4"
Gross weight per box (lbs)	72	73
Pieces / Box	2	2
Sq ft / box	7.75	7.75
Boxes / full pallet	30	20
Sq ft / pallet	232.5	155
Pallet gross weight	2160	1460



Uniform
appearance



Slight
variation

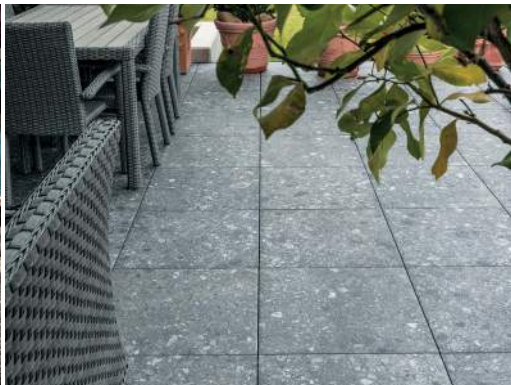


Moderate
variation



Substantial
variation

Norr – Special Order



Available Colors



Vit RR 01 ST - STA



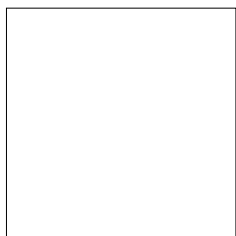
Grå RR 02 ST - STA



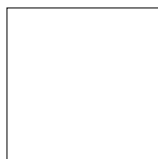
Svart RR 03 ST - STA



Shapes & Sizes

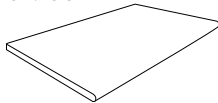


36"x36"x³/₄" ST



24"x24"x³/₄" STA

UNICO



13"x24"x³/₄"

ST: Structured

STA: Aged Structured

	24"x24"x ³ / ₄ "	36"x36"x ³ / ₄ "	UNICO
Gross weight per box (lbs)	72	80.3	52
Pieces / Box	2	1	3
Sq ft / box	7.75	8.7	—
Boxes / full pallet	30	18	—
Sq ft / pallet	232.5	156.6	—
Pallet gross weight	2160	1446	—

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



SRI (60-80%):
Solar Reflectance Index

Tribeca – Special Order



Available Colors



Harrison TB 02 NAT



Hudson TB 03 NAT



Greenwich TB 04 NAT



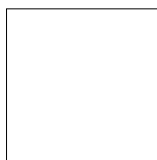
Broadway TB 05 NAT



Shapes & Sizes



18"x36"x³/₄" NAT



24"x24"x³/₄" NAT *

NAT: Natural

* Available colours:
TB 03 - TB 05

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



	24"x24"x ³ / ₄ "	18"x36"x ³ / ₄ "
Gross weight per box (lbs)	72	81.4
Pieces / Box	2	2
Sq ft / box	7.75	8.7
Boxes / full pallet	30	27
Sq ft / pallet	232.5	234.9
Pallet gross weight	2160	2198



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



SRI (60-80%):
Solar Reflectance Index

Twenty – Special Order



Available Colors



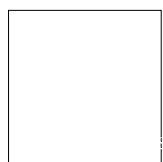
Crust TW 01 ST



Cloud TW 02 ST



Darkness TW 03 ST



24" x 24" x 3/4" ST

ST: Structured

	24" x 24" x 3/4"
Gross weight per box (lbs)	72
Pieces / Box	2
Sq ft / box	7.75
Boxes / full pallet	30
Sq ft / pallet	232.5
Pallet gross weight	2160

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation

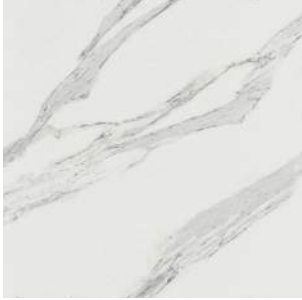


SRI (60-80%):
Solar Reflectance Index

Jewels – Special Order



Available Colors



Calacatta Reale JW o2 ST



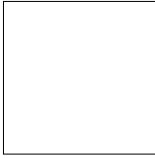
Travertino Classico JW o4 ST



Fumo di Londra JW o6 ST



Shapes & Sizes



24"x24"x³/₄" ST

ST: Structured

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



	24"x24"x ³ / ₄ "
Gross weight per box (lbs)	72
Pieces / Box	2
Sq ft / box	7.75
Boxes / full pallet	30
Sq ft / pallet	232.5
Pallet gross weight	2160



Uniform appearance



Slight variation



Moderate variation



Substantial variation



SRI (60-80%):
Solar Reflectance Index

Nau – Special Order



Available Colors



Fado NA 01 RD



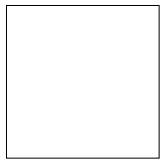
Indie NA 02 RD



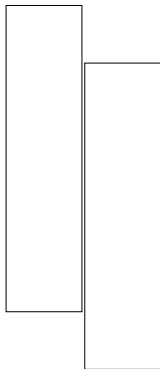
Epic NA 03 RD



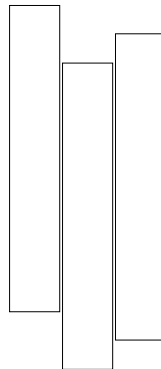
Shapes & Sizes



24"x24"x³/₄" RD



12"x48"x³/₄" RD



8"x48"x³/₄" RD

RD: Radiale

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



	24"x24"x ³ / ₄ "	12"x48"x ³ / ₄ "	8"x48"x ³ / ₄ "
Gross weight per box (lbs)	72	73	46
Pieces / Box	2	2	2
Sq ft / box	7.75	7.75	5.1
Boxes / full pallet	30	20	30
Sq ft / pallet	232.5	155	155
Pallet gross weight	2160	1460	1380



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation

Signature – Special Order



Available Colors



Havana SI 04 DT



Dakota SI 05 DT



Artic SI 01 DT



Havana SI 04 RD



Dakota SI 05 RD



Artic SI 01 RD



Havana SI 04 RD



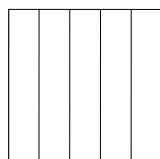
Dakota SI 05 RD



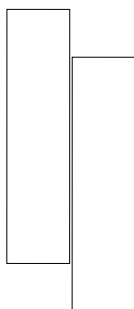
Artic SI 01 RD



Shapes & Sizes



24"x24"x³/₄" DT



12"x48"x³/₄" RD
DT: Dogata RD: Radiale

	24"x24"x ³ / ₄ "	12"x48"x ³ / ₄ "
Gross weight per box (lbs)	72	73
Pieces / Box	2	2
Sq ft / box	7.75	7.75
Boxes / full pallet	30	20
Sq ft / pallet	232.5	155
Pallet gross weight	2160	1460

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation

Allways – Special Order



Available Colors



Fence AW 01 PL



Cabin AW 03 PL



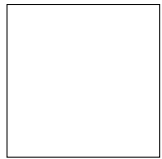
Bench AW 05 PL



Boat AW 07 PL



Shapes & Sizes



24"x24"x3/4" PL

PL: Piallata

	24"x24"x3/4"
Gross weight per box (lbs)	72
Pieces / Box	2
Sq ft / box	7.75
Boxes / full pallet	30
Sq ft / pallet	232.5
Pallet gross weight	2160

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



SRI (60-80%):
Solar Reflectance Index



Available Colors



Romantic OF o2 ST



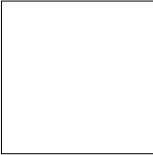
Dark OF o3 ST



Gothic OF o4 ST



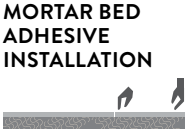
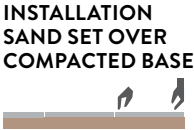
Shapes & Sizes









24"x24"x³/₄" ST

ST: Structured

Laying Systems



	24"x24"x ³ / ₄ "
 Gross weight per box (lbs)	72
 Pieces / Box	2
 Sq ft / box	7.75
 Boxes / full pallet	30
 Sq ft / pallet	232.5
 Pallet gross weight	2160

Mashup – Special Order



Available Colors



Way MP 02 ST



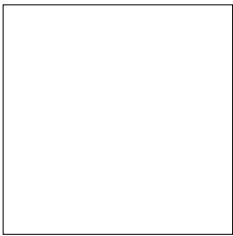
Block MP 03 ST



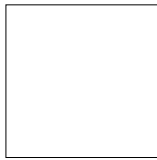
Road MP 04 ST



Shapes & Sizes



36"x36"x³/₄" ST



24"x24"x³/₄" ST

ST: Structured

	24"x24"x ³ / ₄ "	36"x36"x ³ / ₄ "
Gross weight per box (lbs)	72	80.3
Pieces / Box	2	1
Sq ft / box	7.75	8.7
Boxes / full pallet	30	18
Sq ft / pallet	232.5	156.6
Pallet gross weight	2160	1446

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



SRI (60-80%):
Solar Reflectance Index

Lab 21 – Special Order



Available Colors



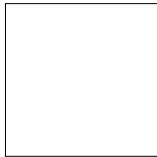
Lab_mou LB 04 ST



Lab_fog LB 07 ST









Shapes & Sizes



24"x24"x³/₄" ST

ST: Structured

	24"x24"x ³ / ₄ "
 Gross weight per box (lbs)	72
 Pieces / Box	2
 Sq ft / box	7.75
 Boxes / full pallet	30
 Sq ft / pallet	232.5
 Pallet gross weight	2160

Laying Systems

INSTALLATION SAND SET OVER COMPACTED BASE



INSTALLATION ON PERMEABLE AGGREGATE BASE



MORTAR BED ADHESIVE INSTALLATION



Uniform
appearance



Slight
variation



Moderate
variation



Substantial
variation



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