



EUROSTONE BOND
FOR NATURAL STONE PAVER JOINTS UP TO 1.5" (3.8 CM)
 TDS Revision Date (dd/mm/yyyy): 24/01/2022

TECHNICAL DATA SHEET

Update: January 24, 2022
 Make sure you have an updated data sheet on hand.
 Canada and U.S. dial **1-855-847-7767** or (450) 624-1611

Description: **EUROSTONE BOND** is the first polymeric sand, that meets ASTM C144 gradation, specifically designed for natural stone pavers. It can be used in an application for traditional and overlay base systems. It is perfect for stone roads, piazzas, driveways, pathways & stone apron driveways. This complete multi-purpose sand is available in Grey. It sets above the freezing temperature 32°F (0°C) and can be used for joints up to a maximum of 1.5" (3.8 cm).

- Features:**
- Can be used for stone joints up to a maximum of 1.5" (3.8 cm)
 - Traditional applications, rain safe 1 hour after water activation
 - Overlay applications, rain safe 24 hours after water activation
 - Works above 32°F (0°C)
 - Does not haze natural stone pavers
 - Will resist mechanical brooming
 - In vehicular application stone must be interlocked or adhered to a concrete bed
 - Waterproof bags: Lay the bag flat on its back, so the front of the bag is facing you. Intact pallets can be stored outdoors
 - 15 Year Limited Warranty

Moss: **EUROSTONE BOND** will not cause nor prevent moss, mold or mildew. Moss, mold and mildew are caused by certain on site conditions, including excess moisture, shade, absence of ventilation, inadequate cleaning or maintenance, presence of soil or other organic debris left on the product.

Coverage: Quantity required depends on the shape and size of the natural stone pavers as well as the width of the joints.

EUROSTONE BOND COVERAGE				
22.7 Kg (50 lb)	NARROW JOINTS		WIDE JOINTS	
	m ²	ft ²	m ²	ft ²
	6.6-8.1	70-90	2.2-4.2	24-46

EUROSTONE BOND IS IDEAL FOR NARROW OR LARGE JOINTS UP TO A MAXIMUM OF 1.5 in. (3.8 CM.)

EUROSTONE BOND WORKS AT ITS OPTIMUM ON SURFACES WITH PROPER DRAINAGE SLOPES.



EUROSTONE BOND FOR NATURAL STONE PAVER JOINTS UP TO 1.5" (3.8 CM)

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IMPORTANT INSTALLATION NOTES:

- A Always refer to the latest **EUROSTONE BOND Technical Data Sheet (TDS)** at Polybind.com before installing **EUROSTONE BOND**.
- B Do not apply if the natural stone paver surfaces and joints are damp or wet. The damp or wet surfaces and joints will cause **EUROSTONE BOND** to prematurely activate and will lead to the polymers sticking on the stones paver surfaces and properly sliding into the joints and obtaining very densely packed joints, which is critical to the products performance. Do not use if rain is expected within 24 hours. Avoid excessive watering or flooding of natural stone paver surfaces.
- C For all natural stone paver surfaces, and particularly around in ground pools there must be a slope of 1/8" (3 mm) per linear foot away from the edge of the pool, or structures, to ensure optimal performance of the EUROSTONE BOND. For the pool coping units it is mandatory to use mortar in the joints. For the rest of the natural stone paver installation around the pool, you can use **EUROSTONE BOND**.
- D Do not sweep **EUROSTONE BOND** over asphalt.
- E The Eurostone sand level must be at least 1/8" (3 mm) below top of the natural stone paver's surface or 1/8" (3 mm) below the chamfer or erosion may occur.
- F The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires. The product must only be used as a recessed jointing material.

PLEASE NOTE:

All Stone pavers must be completely interlocked for vehicular and pedestrian use. If stone pavers are fanned they are not considered interlocked. **EUROSTONE BOND** can be applied when stone pavers are installed directly open graded aggregates that lock or choke themselves. This means the **EUROSTONE BOND** polymeric sand will not migrate through the voids. Do not apply **EUROSTONE BOND** when the pavers are installed directly on aggregates with large voids.

THIS CROSS-SECTION REPRESENTS THE HEIGHT OF POLYMERIC SAND FOUND IN THE JOINTS



Maximum joint width 1-1/2" (38 mm)





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REQUIRED SUB-SURFACE PREPARATION AND FOUNDATION OPTIONS

EUROSTONE BOND is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements etc. The natural stone pavers must be installed on a traditional base system composed of 2 layers. The upper layer can have a maximum of 1 inch (25 mm) of bedding [sand or ASTM No.9 stone](#). The lower layer must have a minimum of 6 inches (15 cm) of crushed stone compacted at 98 % Proctor density. (See diagrams below)

1 Traditional base system:

- A minimum 2% top surface slope for proper water runoff
- **EUROSTONE BOND** at least 1/8" (3 mm) below the paver stone surface.
- Minimum depth of joint 1-1/4" (32 mm)
- Maximum joint width 1-1/2" (38 mm)
- Layer of bedding sand maximum of 1" (25 mm)
- Layer of 6" (15 cm) thickness of 0-3/4" (0-20 mm) compacted crushed stone
- For light or heavy traffic applications the stone pavers must be completely interlocked

[Sand or ASTM No. 9 Stone](#) can be used under natural stone pavers



TRADITIONAL BASE SYSTEM

2 Overlay base system:

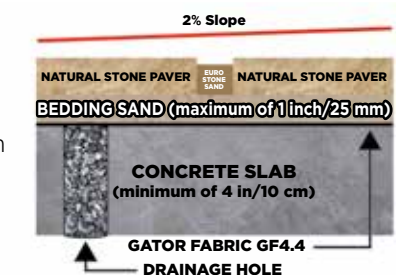
- A minimum 2% top surface slope for proper water runoff
- **EUROSTONE BOND** at least 1/8" (3 mm) below the paver stone surface.
- Minimum depth of joint 1-1/4" (32 mm)
- Maximum joint width 1-1/2" (38 mm)
- Layer of permeable mortar bed
- Layer of 6" (15 cm) thickness of 0-3/4" (0-20 mm) compacted crushed stone
- For light or heavy traffic applications the stone pavers must be completely interlocked



OVERLAY BASE SYSTEM

3 Overlay base system:

- A minimum 2% top surface slope for proper water runoff
- **EUROSTONE BOND** at least 1/8" (3 mm) below the paver stone surface.
- Minimum depth of joint 1-1/4" (32 mm)
- Maximum joint width 1-1/2" (38 mm)
- Layer of bedding sand maximum of 1" (25 mm)
- Layer of 4" (10 cm) thickness of concrete with 2" (5 cm) drainage hole every 10 feet filled with 3/8" (9mm) clean stone and cover with a geotextile for water evacuation
- For light or heavy traffic applications the stone pavers must be completely interlocked



OVERLAY BASE SYSTEM

Note

1. Remove all loose and fragile concrete.
2. Cover the surface with a [Gator Fabric GF4.4](#), refill with crushed stone and compact it.

[Sand or ASTM No. 9 Stone](#) can be used under natural stone pavers



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INSTALLATION INSTRUCTIONS:

METHOD for applying **EUROSTONE BOND** for a **TRADITIONAL BASE SYSTEM** on a **NEW NATURAL STONE PAVER SURFACE**:

1. Use a maximum of 1 inch (25 mm) of **Sand or ASTM No. 9 Stone** as your bedding course to do the final levelling. Install natural stone pavers. Make sure the natural stone pavers are completely interlocked.
2. Make sure the sides and top surfaces of the natural stone pavers are dry before applying the **EUROSTONE BOND** polymeric sand. Sweep **EUROSTONE BOND** in between the stone joints.
3. Compact the sand between the joints with the help of a vibrating plate and a hand tamper in restricted areas. Sweep off all excess **EUROSTONE BOND** that is on the natural stone paver surfaces. The **EUROSTONE BOND** must lie at least 1/8 inch (3 mm) below top of the natural stone pavers surface or 1/8 inch (3 mm) below the chamfer. It is best to compact in several directions to ensure there are no air gaps or voids of the natural stone pavers joints or erosion may occur. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires. Repeat twice the sweeping and compacting of the joint to ensure a good consolidation of the joint. Narrow joints require more care to completely fill.
4. Using a leaf blower, remove any **EUROSTONE BOND** residue from the natural stone pavers surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.
5. Starting at the lowest point, use a water gun connected to a hose to direct a shower (water gun setting: "shower" or equivalent) 4 feet high (1.2 m) so that it lands on a total area of 75 sq. ft. (7 sq. m.) of natural stone pavers for 10 to 15 seconds. Wait 3 to 4 minutes (no longer), then repeat this step twice, to remove residues from **EUROSTONE BOND**. However, stop watering if you notice water retention on the joints of natural stone pavers.
6. Repeat the directions of step 5 for all other paved areas that have not been showered with water. The water used in steps 5 & 6 will activate a bonding action as well as condense **EUROSTONE BOND** in the joints. It is important to water the **EUROSTONE BOND** a total of 3 times. Too little water will not properly activate the **EUROSTONE BOND** and will reduce the final performance.

IMPORTANT

The water used in steps 5 and 6 will activate a bonding action as well as condensing **EUROSTONE SAND** in the joints. It is important to water the **EUROSTONE SAND** a total of 3 times, as per steps 5 and 6. Too little water will not properly activate the **EUROSTONE SAND** and will reduce the final performance. If not done properly, a white haze may appear on paver surface after installation. This is due to excess **EUROSTONE SAND** residue left on natural stone paver surfaces. This haze will dissipate over time, or it could be removed by using **GATOR CLEAN Efflorescence Cleaner**.

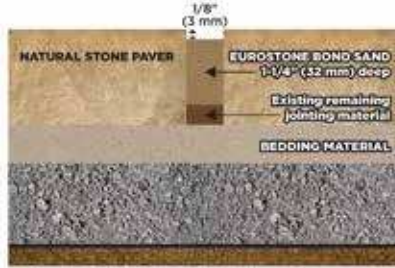


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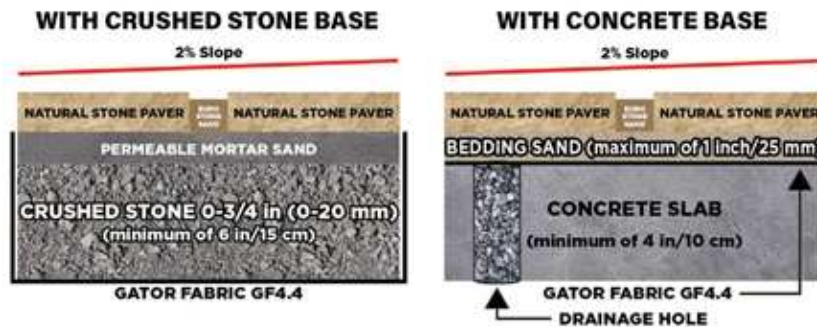
INSTALLATION INSTRUCTIONS:

METHOD for applying **EUROSTONE BOND** on an **EXISTING NATURAL STONE PAVERS SURFACE**



1. Remove existing jointing material. Be careful not to disturb the bedding material under the natural stone pavers. Natural stone pavers must be completely dry before installing a minimum of 1 1/4" (32 mm) deep into the joints. Ensure that **EUROSTONE BOND** lies at least 1/8 inch (3 mm) below top of the natural stone pavers surface or 1/8 inch (3 mm) below the chamfer. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires.
2. Follow step 2 to step 6 of NEW STONE JOB instructions (above).

METHOD for applying **EUROSTONE BOND** for an **OVERLAY BASE SYSTEM** for a **NEW NATURAL STONE PAVERS SURFACE**:



1. **A.** Make sure the natural stone pavers are completely fixed in permeable mortar sand and cannot move.
B. Having a layer of bedding sand maximum of 1" (25 mm), covering a 4" (10 cm) thickness of concrete with 2" (5 cm) drainage hole every 10 feet (3 m) filled with 3/8" (9 mm) clean stone and cover with a geotextile for water evacuation.
2. Make sure the sides and top surfaces of the natural stone pavers are dry before applying the **EUROSTONE BOND** polymeric sand. Sweep **EUROSTONE BOND** in between the natural stone pavers joints.
3. Compact the sand between the joints with the help of a vibrating plate and a hand tamper in restricted areas. Sweep off all excess **EUROSTONE BOND** that is on the natural stone paver surfaces. The **EUROSTONE BOND** must lie at least 1/8 inch (3 mm) below top of the natural stone pavers surface or 1/8 inch (3 mm) below the chamfer. It is best to compact in several directions to ensure there are no air gaps or voids of the natural stone pavers joints or erosion may occur. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires. Repeat twice the sweeping and compacting of the joint to ensure a good consolidation of the joint. Narrow joints require more care to completely fill.
4. Using a leaf blower, remove any **EUROSTONE BOND** residue from the natural stone pavers surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.



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METHOD for applying **EUROSTONE BOND** for an **OVERLAY BASE SYSTEM** for a **NEW NATURAL STONE PAVERS SURFACE**: (cont.)

5. Use a water gun connected to a hose to direct a shower (water gun setting: "shower" or equivalent) 4 feet (1.2 m) high so that it lands on a total area of 75 sq. ft. (7 sq. m.) of natural stone pavers for 10 to 15 seconds. Wait 3 to 4 minutes (no longer), then repeat this step twice, to remove residues from **EUROSTONE BOND**. However, stop watering if you notice water retention on the joints of natural stone pavers.
6. Repeat the directions of step 5 for all other paved areas that have not been showered with water. The water used in steps 5 & 6 will activate a bonding action as well as condense **EUROSTONE BOND** in the joints. It is important to water the **EUROSTONE BOND** a total of 3 times. Too little water will not properly activate the **EUROSTONE BOND** and will reduce the final performance.

IMPORTANT

If steps 5 & 6 are not done properly, a white haze may appear on natural stone pavers surface after installation. This is due to excess **EUROSTONE BOND** residue left on natural stone pavers surfaces. This haze will dissipate over time. It can also be removed by using [GATOR CLEAN efflorescence cleaner](#).

Packaging:	Products	Size	Units per Pallet
	EUROSTONE BOND - Slate Grey	22.7 kg (50 lbs)	56
	- Plastic bags		
	- Intact pallets can be stored outside		

LIMITED WARRANTY:

15-YEAR LIMITED WARRANTY

Please note that this limited warranty applies when the product is used for residential purposes exclusively (home owners or contractors using the product for single or multi-unit dwellings that are exclusively for residential use). The manufacturer cannot guarantee results as it has no control over surface and sub-surface preparation and product application. (Proper installation of natural stone pavers to ensure long-term stability of work, including granular foundation of certified crushed stone of 0-3/4 inch (0-20 mm) bedding layer and appropriate installation of borders in accordance with above specified method for applying product). However, for a period of 15 years from purchase, the manufacturer agrees to refund the purchase price if the product is proven to be defective and on the condition that it was installed pursuant to the method of application of surface and sub-surface preparation described above. Proof of purchase is required for any claim.

EXCLUSION OF RESPONSIBILITY

THE PARTIES AGREE THAT REFUND OF THE PURCHASE PRICE AS STATED IS THE ONLY OBLIGATION OF THE MANUFACTURER. IN ALL EVENTS, THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES OR COSTS WHATSOEVER, (INCLUDING REMOVAL OR REINSTALLATION OF SAND OR NATURAL STONE PAVERS) DIRECT OR CONSEQUENTIAL. TO THE EXTENT PERMITTED BY LAW, THE MANUFACTURER EXCLUDES ANY IMPLIED WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR PURPOSE.

ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for the presence of moss, mold, mildew, or similar factors that may occur on the product after its installation. ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for use of EUROSTONE BOND with Clay Pavers or any installation not installed to manufacturer's specifications and [ICPI Tech Spec #2](#).