

**EUROSTONE BOND**  
**FOR NATURAL STONE PAVER JOINTS**  
 TDS Revision Date (dd/mm/yyyy): 15/04/2024



## TECHNICAL DATA SHEET

**Update:** April 15, 2024  
 Make sure you have an updated data sheet on hand.

**Description:** **EUROSTONE BOND** is the first polymeric sand, that meets DIN EN 13139 gradation, specifically designed for natural stone pavers. It can be used in an application for drainage base systems. It is perfect for stone roads, piazzas, driveways, pathways & stone apron driveways. This complete multi-purpose sand is available in Slate Grey. It sets above the freezing temperature 0°C.

- Features:**
- Can be used for stone joints up to a maximum of 3.5 cm.
  - Helps prevent weed sprouting and the damage caused by insects.
  - Helps prevent erosion due to climatic conditions, such as wind, rain and freezing.
  - Sets at above freezing temperature 0°C.
  - **EUROSTONE BOND** can be applied in **drainage base systems**, sets within 1 hour after water activation at above 0°C (No rain should occur within 1 hour after water activation).
  - Does not haze natural stone pavers.
  - Waterproof bags can be laid flat and stored outdoors. (Lay bag flat on its back, so front of the bag is facing you.)
  - It is mandatory to have a minimum 2% top surface slope for proper water run off.
  - Will resist mechanical brooming.

**Maintenance:** When maintaining the stone pavers surfaces, use a paver cleaner product to clean the entire paved surface including the paver joints. Wash, rinse and remove any residue by using a hose and a watering gun set to shower with the normal maximum water pressure from any residential or commercial building (typically 550 kPa).

**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.

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



**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		
	NARROW JOINTS	WIDE JOINTS
20 kg	m <sup>2</sup>	m <sup>2</sup>
	4,2 - 1,4	0,7 - 0,44

**EUROSTONE BOND** IS IDEAL FOR NARROW OR LARGE JOINTS UP TO A MAXIMUM OF 3.5 CM.  
**EUROSTONE BOND** WORKS AT ITS OPTIMUM ON SURFACES WITH PROPER DRAINAGE SLOPES.



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



Maximum joint width 3.5 cm



FOR USE ON AND REQUIRED SUB-SURFACE PREPARATION EUROSTONE BOND is recommended for a variety of uses, including pool sides, patios, foot paths, driveways, parking spaces, pavements etc.



**DRAINAGE BASE SYSTEM**

- A minimum 2% top surface slope for proper water runoff
- EUROSTONE BOND at least 3 mm below the paver stone surface.
- Minimum depth of joint 38 mm
- Maximum joint width 35 mm
- Layer of bedding sand maximum of 2.5 cm
- Layer of 15 cm thickness of 0-20 mm compacted crushed stone
- For light or heavy traffic applications the stone pavers must be completely interlocked

**DRAINAGE BASE SYSTEM**

**FOR DRAINAGE BASE SYSTEMS  
IMPORTANT INSTALLATIONS NOTES**

- Always refer to the latest **EUROSTONE BOND Technical Data Sheet (TDS)** at [AllianceGator.com](http://AllianceGator.com) before installing **EUROSTONE BOND**.
- Installation of natural stone pavers must be done in accordance with a drainage foundation before adding **EUROSTONE BOND**.
- Natural stone pavers' sides and top surfaces must be completely dry. Do not apply if the natural stone pavers surfaces are damp or wet. The damp or wet surface will cause **EUROSTONE BOND** to prematurely activate and will lead to the polymers sticking on the natural stone pavers surfaces.
- Do not apply **EUROSTONE BOND**, if the natural stone pavers joints are damp or wet. This will prevent the **EUROSTONE BOND** from properly sliding into the joints and obtaining very densely packed joints, which is critical to the product's performance.
- Temperature must be above 0°C with dry conditions. A minimum of 1 hour of dry weather is required after activation of the **EUROSTONE BOND**.
- For all natural stone pavers surfaces, and particularly around in-ground pools, there must be a minimum slope of 3 mm per 30 cm away from the edge of the pool or structures to ensure water evacuation off the paver surface.



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### IMPORTANT INSTALLATIONS NOTES

- G. For the pool coping units, it is mandatory to use mortar in the joints. For the rest of the natural stone pavers installation around the pool, you can use **EUROSTONE BOND**.
- H. Do not sweep **EUROSTONE BOND** over asphalt.
- I. Install **EUROSTONE BOND** a minimum of 3 mm below top of natural stone paver's surface or 3 mm below the chamfer. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires, because erosion may occur.

### INSTALLATION INSTRUCTIONS:

METHOD for applying **EUROSTONE BOND** for a DRAINAGE BASE SYSTEM on a NEW STONE SURFACE:

1. **Spread EUROSTONE BOND** with hard-bristle broom. Make sure the **EUROSTONE BOND** completely fills the joints. Do not use with other materials in the joints. Leave a layer of **EUROSTONE BOND** on the surface to aid in the vibrating and consolidation of **EUROSTONE BOND** into joints.
2. **Vibrate** the **EUROSTONE BOND** into the natural stone pavers joints using a vibratory plate compactor. A rubber pad is recommended. A roller compactor or handheld tamper is best for natural stone slabs installations. Joints sand level must be at least 3 mm below top of natural stone pavers surfaces. It is best to compact in several directions to ensure there are no air gaps or voids in the joints. Repeat steps 1 and 2 to ensure joints are filled and consolidated. Narrow joints require more care to completely fill.
3. **Sweep** off excess **EUROSTONE BOND** from the paved surface, first with a hard-bristle broom, then a soft-bristle broom. Take care to leave the height of **EUROSTONE BOND** at least 3 mm below top of natural stone pavers surfaces.
4. **Shower** for a minimum of 90 seconds for 4.5 sq. m. or until the **EUROSTONE BOND** repels the water and the water starts to accumulate over the polymeric sand joints.

\* Please visit our website for detailed installation information and always refer to the latest **EUROSTONE BOND** [Technical Data Sheet \(TDS\)](#) at [AllianceGator.com](http://AllianceGator.com) before installing **EUROSTONE BOND**.

### Installation for an EXISTING STONE PAVER SURFACE:

1. Using a pressure washer, completely remove the existing jointing material. However, special attention must be paid not to move the sand laying bed under the stone pavers. Natural stone pavers must be completely dry before installing a minimum 3.8 cm depth in joints. Make sure **EUROSTONE BOND** is located at least 3 mm below the top of natural stone pavers or erosion may occur. Filled and cured polymer sand joints should never be in direct contact with the pedestrian traffic or tires.
2. Follow steps 1 to 4 of the instructions for NEW STONE PAVING SURFACE (see above).

Packaging:	Products	Size	Units per Pallet
	<b>EUROSTONE BOND</b> - Slate Grey	20 kg	70
	- Plastic bags		
	- Intact pallets can be stored outside		



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TYPICAL PROPERTIES					
Test	European Method	Cure	Units European (American) method	Typical Value*	
				minimum	maximum
Sand Gradation	DIN EN 13139	N/A	N/A	<b>Compliant</b>	<b>Compliant</b>
Penetration resistance	ISO 1920-14	7 days	N/mm <sup>2</sup>	<b>4,4</b>	<b>6,5</b>
		28 days		<b>39</b>	<b>52</b>
Water Absorption	BS EN 12808-5 30 minutes 4 hours	28 days	g	<b>0.17</b>	<b>0.24</b>
				<b>0.20</b>	<b>1.5</b>
Erosion resistance	ISO 19392-3	60 minutes	erosion %	<b>5</b>	<b>20</b>
Flexural strenght	BS EN 13892-2	7 days	N/mm <sup>2</sup>	<b>0,5</b>	<b>1,1</b>
		28 days		<b>2,8</b>	<b>3,9</b>
Compressive strenght	BS EN 13892-2	7 days	N/mm <sup>2</sup>	<b>1,4</b>	<b>2,2</b>
		28 days		<b>10</b>	<b>14</b>

**LIMITED WARRANTY**

The manufacturer cannot guarantee results as it has no control over surface and sub-surface preparation and product application. If this product is proven to be defective, on the condition that it was installed pursuant to the method of application and surface and sub-surface preparation described above, the sole obligation of the manufacturer is to refund the purchase price. Proof of purchase is required for any claim. The manufacturer shall not be liable for any other damages whatsoever, direct or consequential. To the extent permitted by law, the manufacturer excludes any implied warranty of quality, merchantability or fitness for purpose. The manufacturer shall not be liable for any other damages or costs whatsoever, including removal or reinstallation of sand or natural stones.