



EUROSTONE BOND
FOR NATURAL STONE PAVER JOINTS
 TDS Revision Date (dd/mm/yyyy): 12/02/2018

TECHNICAL DATA SHEET

- Update:** February 12, 2018
 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. It can be used in an application for drainage and non-drainage base systems. It is perfect for stone roads, piazzas, driveways, pathways & stone apron driveways. This complete multi-purpose sand is available in four colors: Beige, Slate Grey, Ivory and Black Diamond. It sets above the freezing temperature 32°F (0°C) and can be used for joints up to a maximum of 1.5" (3.75 cm).
- Features:**
- Can be used for stone joints up to a maximum of 1.5" (3.75 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 32°F (0°C).
 - **EUROSTONE BOND** can be applied in **drainage base systems**, sets within 1 hour after water activation at above 32°F (0°C) (No rain should occur within 1 hour after water activation).
 - **EUROSTONE BOND** can be applied in **non-Drainage base systems (Overlays)**, sets within 24 hours after water activation at above 32°F (0°C) (No rain should occur within 24 hours after water activation).
 - Does not haze natural stones.
 - Intact pallets can be stored outside.
 - Unused bags can be stored outside if they are still on a pallet and protected by the original packaging
 - It is mandatory to have a minimum 1° top surface slope for proper water run off.
 - Will resist mechanical brooming.
- Warning:** Do not apply if the paver stone is damp or wet. The damp or wet surface will cause **EUROSTONE BOND** to prematurely activate and will lead to the polymers sticking on the stone surface. Do not apply if the natural stone paver 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 products performance. Do not use if rain is expected within 1 hour. Avoid excessive watering or flooding of natural stone paver surface. For all natural stone paver surfaces, and particularly around in ground pools there must be a slope of 1/8 in. (0.3cm) 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**. Do not sweep **EUROSTONE BOND** over asphalt. Install **EUROSTONE BOND** a minimum of 1/8 of an inch (0.3cm) below the natural stone paver surface or erosion may occur. The filled and cured **EUROSTONE BOND** joints should never be in direct contact to foot traffic or tires. The product must only be used as a recessed jointing material.
- 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 stone as well as the width of the joints. For Black Diamond Sand consider a 10% decrease in coverage.

EUROSTONE BOND COVERAGE				
22.7 Kg (50 lbs)	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. (3.5CM.)
EUROSTONE BOND WORKS AT ITS OPTIMUM ON SURFACES WITH PROPER DRAINAGE SLOPES.



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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.

WITH A NON-DRAINAGE BASE SYSTEM: (See diagrams below). You must have a minimum 1° top surface slope for proper water runoff for both systems.



INSTALLATION INSTRUCTIONS:

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

1. Use concrete sand as your bedding course to do the final leveling. Install natural stone pavers. Make sure that the stones are completely interlocked.
2. Make sure the sides and top surfaces of the stones are dry before applying the EUROSTONE BOND polymeric sand. Sweep EUROSTONE BOND in between the stone joints.
3. Compact the sand between the joint with the help of a rubber mallet or a hand tamper. Sweep off all excess EUROSTONE BOND that is on the stone surface. Insure that EUROSTONE BOND lies at 1/8" (3mm) below the top of the stones.
4. Using a leaf blower, remove any EUROSTONE BOND residue from the stone surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.
5. First watering: At a height of 4 feet (1.2 meters), use a water gun connected to a hose to direct a shower (water gun setting: "shower" or equivalent) of water for 10 to 15 seconds on a section of approximately 75-100 sq. ft. Wait 3 to 4 minutes (no longer). NEVER let the stone surface dry before steps 5, 6, 7 and 8 are completed. Proceed to STEP 6.
6. Second watering: At a height of 4 feet (1.2 meters) shower and rinse simultaneously for 10 to 15 seconds on a section of approximately 75-100 sq. ft. surface area so as to eliminate any EUROSTONE BOND residue left on the stones. Any EUROSTONE BOND residue should go directly into the natural stone paver joints. Wait 3 to 4 minutes (no longer). Proceed to STEP 7.
7. Third watering: At a height of 4 feet (1.2 meters) direct a shower of water on the paver surface, showering and rinsing simultaneously, so as to eliminate any EUROSTONE BOND residue. residue should go directly into the paver joints. However, stop watering when you see water retention on the natural stone paver joints. Wait 3 to 4 minutes (no longer). Proceed to STEP 8.
8. Repeat the directions of step 5 to 7, for all other stone areas that have not been showered with water.

IMPORTANT

The water used in steps 5, 6 & 7 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, as per steps 5, 6 and 7. Too little water will not properly activate the EUROSTONE BOND and will reduce the final performance. If steps 5 to 8 are not done properly, a white haze may appear on stone surface after installation. This is due to excess EUROSTONE BOND residue left on stone surfaces. This haze will dissipate over time. It can also be removed by using GATOR CLEAN efflorescence cleaner.



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

1. Using a pressure washer, remove the entire existing joint filling material from the top of the stones to the bottom.
2. Follow step 2 to step 8 of NEW STONE JOB instructions (above).

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

1. Make sure that the stones are completely fixed in concrete and cannot move.
2. Make sure the sides and top surfaces of stones are dry before applying the **EUROSTONE BOND** polymeric sand Sweep **EUROSTONE BOND** in between the stone joints.
3. Compact the sand between the joint with the help of a vibrating plate and a hand tamper in restricted area. Sweep off all excess **EUROSTONE BOND** that is on the stone surface. Insure that **EUROSTONE BOND** lies at least 1/8" (3mm) below the top of the stones.
4. Using a leaf blower, remove any **EUROSTONE BOND** residue from the stone surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.
5. First watering: At a height of 4 feet (1.2 meters), use a water gun connected to a hose to direct a shower (water gun setting: "shower" or equivalent) of water for 10 to 15 seconds on a section of approximately 75-100 sq. ft.. Wait 3 to 4 minutes (not longer). NEVER let the stone surface dry before steps 5, 6, 7 and 8 are completed. Proceed to STEP 6.
6. Second watering: At a height of 4 feet (1.2 meters) shower and rinse simultaneously for 10 to 15 seconds on a section of approximately 75-100 sq. ft. surface area so as to eliminate any **EUROSTONE BOND** residue left on the stones. Any **EUROSTONE BOND** residue should go directly into the natural stone paver joints. Wait 3 to 4 minutes (not longer). Proceed to STEP 7.
7. Third watering: At a height of 4 feet (1.2 meters) direct a shower of water on the paver surface, showering and rinsing simultaneously, so as to eliminate any **EUROSTONE BOND** residue, and direct it into the natural stone paver joints. However, stop watering when you see water retention on the natural stone paver joints. Wait 3 to 4 minutes (not longer). Proceed to STEP 8.
8. Repeat the directions of step 5 to 7, for all other stone areas that have not been showered with water.

IMPORTANT

The water used in steps 5, 6 & 7 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, as per steps 5, 6 and 7. Too little water will not properly activate the **EUROSTONE BOND** and will reduce the final performance. If steps 5 to 8 are not done properly, a white haze may appear on stone surface after installation. This is due to excess **EUROSTONE BOND** residue left on stone 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 - Beige	22.7 kg (50 lbs)	56
	EUROSTONE BOND - Slate Grey	22.7 kg (50 lbs)	56
	EUROSTONE BOND - Ivory	22.7 kg (50 lbs)	56
	EUROSTONE BOND - Black Diamond	22.7 kg (50 lbs)	56
	- Plastic bags		
	- Intact pallets can be stored outside		



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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 pavers or slabs 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 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 EURO STONE BOND with Clay Pavers or any installation not installed to manufacturer's specifications and ICPI Tech Spec #2.

Typical Properties				
Test	Cure	Method	Value	Unit
Water Penetration	24 hrs	ASTM C-642	<01:00	min:sec
Flexural strength	7 days	BS EN 13892-2	285	psi
Drying shrinkage	25 days	ASTM C-596	-0.872	%
Water immersion	7 days	SOP-MP-035	pass	
Resistance to efflorescence	7 days	SOP-MP-036	fail	
Penetration strength	24 hrs	SOP MP-032	176	PSI
Spring drive	24 hrs	SOP MP 032	15	0-200 scale
Abrasion resistance	24 hrs	SOP MP-030	pass	
Erosion resistance	24 hrs	SOP MP-029	<5.0	% lost
Dirt Pick up during installation	N/A	SOP MP-031	0.71	ΔE value