



**EUROSTONE BOND**  
**FOR NATURAL STONE PAVER JOINTS**  
TDS Revision Date (dd/mm/yyyy): 13/03/2015



## Technical Data Sheet

UPDATE: Mar 13, 2015  
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** Eurostone Bond is a unique mixture of polymer binders and calibrated sand available in Beige, Grey, Ivory and Black Diamond. The installation of **EUROSTONE BOND** is almost identical to using regular paver joint sand, except for the application of water. Once **EUROSTONE BOND** sets, it becomes very firm and locks between the natural stone paver joints. This firm bond helps maintain pavers securely in place, being equally effective on both horizontal and sloped surfaces

FEATURES:

- Can be used for natural stone paver joints up to a **maximum of 1.5" (3.5 cm.)**
- Helps prevent weed sprouting and the damages caused by insects.
- Helps prevent erosion due to climatic conditions such as wind, rain and freeze thaw cycles.
- Sets above 59°F / 15°C.
- Can be applied even if rain is expected (however, minimum of 24 hours of dry weather is needed after activation).
- Does not stain natural stones.
- Intact pallets can be stored outside.

WARNING: Do not apply if the paver surface 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 paver 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.

CLAY PAVERS: If used on clay pavers make sure they are 100% dry, Clay pavers tend to hold moisture, which can prematurely activate the **EUROSTONE BOND** while the sand is being spread over the paver surface, leaving a residue (Always apply on a test area before using the **EUROSTONE BOND** on clay pavers)

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 concrete pavers as well as the width of the joints. For Black Diamond Sand consider a 10% decrease in coverage.

<b>EUROSTONE BOND COVERAGE</b>				
22.7 Kg (50 lbs)	<b>NARROW JOINTS</b>		<b>WIDE JOINTS</b>	
	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>
	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.**



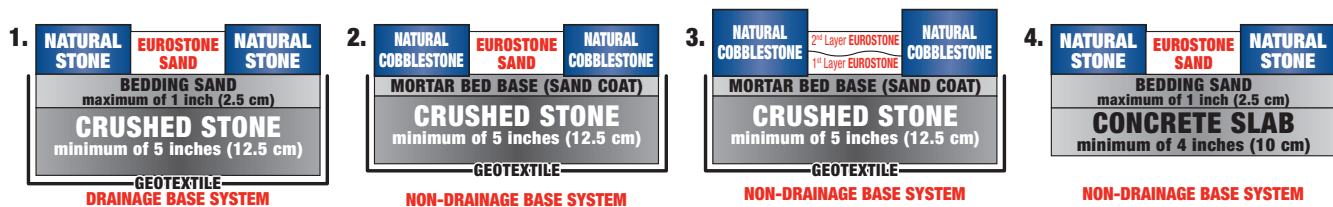
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## FOR USE ON AND REQUIRED SUB-SURFACE PREPARATION

EUROSTONE BOND is recommended for a variety of uses, including pool sides, patios, foot paths, driveways, parking spaces, pavements etc.

**WITH A DRAINAGE BASE SYSTEM:** The stone pavers have to be installed on a system composed of 2 layers. The upper layer can have a maximum of 1 in (2.5 cm) of bedding sand. The lower layer must have a minimum of 5 in (12.5 cm) of crushed stone compacted at 95% Proctor density.

**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:**

- STEP 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.
- STEP 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.
- STEP 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 least 1/8” (3mm) below the top of the stones.
- STEP 4** Using a leaf blower, remove any **EUROSTONE BOND** residue from the stoned surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.
- STEP 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.
- STEP 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.
- STEP 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. Any residues 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.
- STEP 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 paver 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.

*Alliance Designer Products Inc.*



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

**STEP 1** Using a pressure washer, remove the entire existing joint filling material from the top of the stones to the bottom.

**STEP 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:**

**STEP 1** Make sure that the stones are completely fixed in concrete and cannot move.

**STEP 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.

**STEP 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.

**STEP 4** Using a leaf blower, remove any **EUROSTONE BOND** residue from the stoned surfaces. Depending on the physical layout, it may be more appropriate to remove residue by using a vacuum unit.

**STEP 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.

**STEP 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.

**STEP 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.

**STEP 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 paver 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.

## FOR an **EXISTING STONE JOB:**

**STEP 1** Using a pressure washer, remove all the loose material that is in the joints 1 in. (2.5cm minimum).

**STEP 2** Follow step 2 to step 8 of NEW STONE SURFACE instructions (above).



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<u>PACKAGING:</u>	<b>Products</b>	<b>Size</b>	<b>Units per Pallet</b>
	<b>Euro Stone Bond - Beige</b>	25 kg (50 lbs)	56
	<b>Euro Stone Bond - Slate Grey</b>	25 kg (50 lbs)	56
	<b>Euro Stone Bond - Ivory</b>	25 kg (50 lbs)	56
	<b>Euro Stone Bond - Black Diamond</b>	25 kg (50 lbs)	56

- Plastic bags
- Intact pallets can be stored outside

**LIMITED WARRANTY:**

**1 YEAR LIMITED WARRANTY**

*Please note that when the product is used for other purposes (Mixed-use, commercial, institutional or other), the above terms apply except that the applicable period is reduced to 1 year from purchase.*

<b>Typical Properties</b>				
<b>Test</b>	<b>Cure</b>	<b>Method</b>	<b>Value</b>	<b>Unit</b>
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