GATOR SUPER SAND BOND (EUROPE)
FOR CONCRETE PAVERS JOINTS
TDS Revision Date (dd/mm/yyyy): 15/03/2016

TECHNICAL DATA SHEET

Update: March 15, 2016
Make sure you have an updated data sheet on hand.
Canada and U.S. dial **1-855-847-7767** or (450) 624-1611

Description: **SUPERSAND BOND** is a unique mixture of polymer binders and calibrated sand available in Beige, Slate Grey, Ivory and Black Diamond. The installation of **SUPERSAND BOND** is almost identical to using regular paver joint sand except for the application of water. Once **SUPERSAND BOND** sets, it becomes very firm and locks between the paver joints while still retaining flexibility and providing a long lasting, durable jointing material. **SUPERSAND BOND** is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements etc.

Features:
- Can be used for joints up to a maximum of 1 inch (2.5 cm) and its fine gradation allows use in even the tightest joints
- Helps prevent weeds and damage caused by burrowing insects
- Helps prevent erosion due to wind, rain, and freeze thaw cycles
- Fast setting: Product sets within one hour after application of water
- Sets at above freezing temperatures (32°F/ 0°C)
- Can be applied even if rain is expected (however, minimum of 1 hour of dry weather is needed after activation)
- Advanced Haze Free Technology
- Intact pallets can be stored outside

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

Moss: **SUPERSAND 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.

		NARROW JOINTS		SWIDE JOINTS	
		sq. ft.	sq. m.	sq. ft.	sq. m.
Slate Grey, Beige, Ivory	50lbs / 22.7 kg	65-85	6.00-7.41	22-42	2.0-3.88
Black Diamond	50lbs / 22.7 kg	58-76	5.50-6.5	20-38	1.8-3.5

For Use on and REQUIRED SUB-SURFACE PREPARATION
SUPERSAND BOND is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces,pavements etc. The concrete pavers must be installed on a drainage base system composed of 2 layers. The upper layer can have a maximum of 1 inch (2.5 cm) of bedding sand. The lower layer must have a minimum of 6 inches (15.4 cm) of crushed stone compacted at 98 % Proctor density. (See diagram below).

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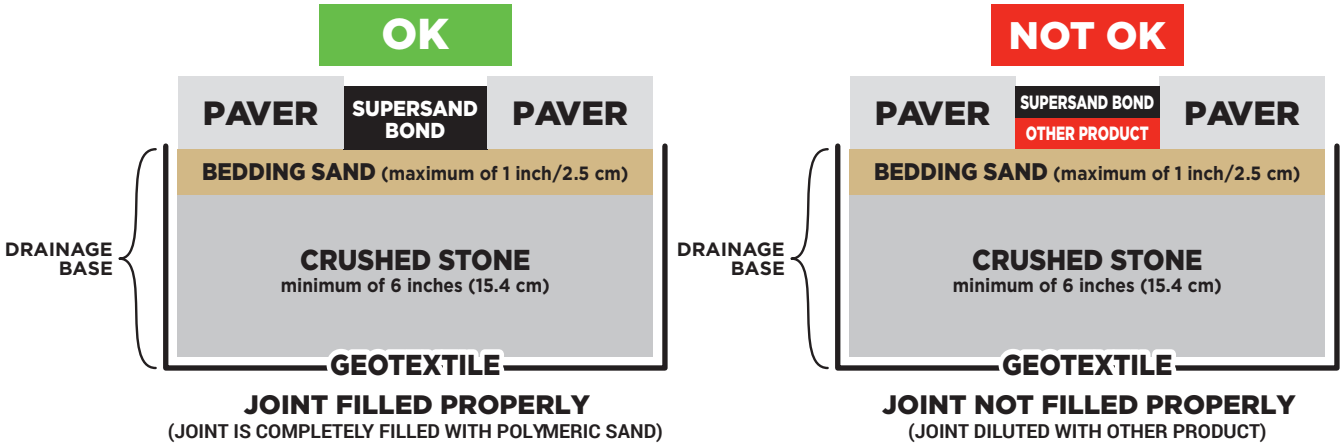

NEVER USE SUPERSAND BOND WHEN PAVERS ARE INSTALLED ON A CONCRETE SLAB – INSTEAD USE ALLIANCE GATOR MAXX

PREPARATION INFORMATION (IMPORTANT NOTES)

A Pavers and slabs must be installed according to ICPI Tech Spec #2 (www.icpi.org) before SUPERSAND BOND installation. If pavers are installed over a concrete slab, (overlay application) **GATOR MAXX** polymeric sand must be used.

B **SUPERSAND BOND** Technical Data Sheet is available at: AllianceGator.com

C Pavers' sides and top surfaces must be completely dry. Do not apply if the paver surface is damp or wet. The damp or wet surface will cause **SUPERSAND BOND** to prematurely activate and will lead to the polymers sticking on the paver surface.

D Do not apply if the paver joints are damp or wet. This will prevent the **SUPERSAND BOND** from properly sliding into the joints and obtaining very densely packed joints, which is critical to the products performance.

E Temperature must be above 32°F with dry conditions (no rain for at least 1 hour) before installing **SUPERSAND BOND**.

F Avoid excessive watering or flooding of paver surface.

G For all paver surfaces, and particularly around in-ground pools there must be a slope of 1/8 inch (0.3 cm) per linear foot away from the edge of the pool, or structures to ensure optimal performance of the **SUPERSAND BOND**.

H For the pool coping units it is mandatory to use mortar in the joints. For the rest of the paver installation around the pool, you can use **SUPERSAND BOND**.

I Do not sweep **SUPERSAND BOND** over asphalt.

J Install **SUPERSAND BOND** a minimum of 1/8 inch (0.3 cm) below the paver surface or erosion may occur. The filled and cured v joints should never be in direct contact with foot traffic or tires. The product must only be used as a recessed jointing material.

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SUPERSAND BOND INSTALLATION STEPS (FOR A NEW PAVER SURFACE)

1. Spread **SUPERSAND BOND** with hard-bristle broom. Make sure the **SUPERSAND BOND** completely fills the joints. Do not use other materials in the joints.
2. Leave a layer of **SUPERSAND BOND** on the surface to aid in vibrating and consolidating **SUPERSAND BOND** into joints.
3. Vibrate the **SUPERSAND BOND** into the paver joints using a vibratory plate compactor. A rubber pad is recommended. A roller compactor is best for slab installation.
4. Joints should be filled up to 1/8 inch below the edge or chamfer. It is best to compact in several directions to ensure there are no air gaps or voids in the joints. Repeat steps 1-3 to ensure joints are filled and consolidated. Narrow joints require more care to completely fill.
5. Sweep off excess **SUPERSAND BOND** from the paved surface, first with a hard-bristle broom, then a soft bristle broom. Take care to leave the height of the polymeric sand at least 1/8 inch below the edge or chamfer of the paver.
6. Use a leaf blower to remove all remaining **SUPERSAND BOND** residue from the paved surface.

WATER ACTIVATION (IMPORTANT NOTES)

A Work in manageable sections, ideally about 100 sq. ft. at a time, depending on temperature.
B Do not allow **SUPERSAND BOND** to wash out of joint.
C Never allow paved surface to dry out during the water activation phase.
D Watering must be started at the lowest point of the paved surface.
E Use a watering gun connected to a hose. Setting should be set to shower.

SUPERSAND BOND WATER ACTIVATION STEPS

7 Shower water on a specific water area of 100 sq.ft., wait no longer than 2 to 3 minutes. Proceed to STEP 8.
8 Shower and rinse simultaneously on a section of approximately 100 sq. ft. so as to eliminate any **SUPERSAND BOND** residue left on the pavers. Any **SUPERSAND BOND** residue should go directly into the paver joints. Wait no longer than 2 to 3 minutes. Proceed to STEP 9.
9 Shower and rinse simultaneously, so as to eliminate any **SUPERSAND BOND** residue. Any residue should go directly into the paver joints. However, stop showering when you see water retention on the paver joints. Wait no longer than 2 to 3 minutes. Proceed to STEP 10. Note: Repeat the directions of steps 7 to 9 for all other areas that have not been showered with water.
10 Use a leaf blower to remove any excess water remaining on the paver pores and crevices. This blowing action is necessary to help remove any remaining **SUPERSAND BOND** residue left on paver surfaces from the previous steps.

IMPORTANT:

The water used in steps 7 to 9 will activate a bonding action as well as condensing **SUPERSAND BOND** in the joints. It is important to water the **SUPERSAND BOND** a total of 3 times, as per steps 7, 8 and 9.Too little water will not properly activate the **SUPERSAND BOND** and will reduce the final performance. If steps 7 to 10 are not done properly, a white haze may appear on paver surface after installation. This is due to excess **SUPERSAND BOND** residue left on paver surfaces. This haze will dissipate over time, or it could be removed by using **GATOR CLEAN** efflorescence cleaner.

QUALITY IS OUR STRENGTH
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SUPERSAND BOND INSTALLATION (FOR AN EXISTING PAVER SURFACE)

If using **SUPERSAND BOND** to replace existing jointing materials, old jointing materials need to be completely cleaned out of the joints and pavers completely dry before installing **SUPERSAND BOND**. However, be careful not to disturb the bedding material under the pavers. Follow steps 1 to 10 of **SUPERSAND BOND** installation steps (for a new paver surface).

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	625	psi
Drying shrinkage	25 days	ASTM C-596	0.025	%
Water immersion	7 days	SOP-MP-035	pass	
Resistance to efflorescence	7 days	SOP-MP-036	pass	
Penetration strength	24 hrs	SOP MP-032	93	PSI
Spring drive	24 hrs	SOP MP 032	6	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	2.64	ΔE value

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 (INCLUDING REMOVAL OR REINSTALLATION OF SAND OR PAVERS) WHATSOEVER, DIRECT OR CONSEQUENTIAL. TO THE EXTENT PERMITTED BY LAW, THE MANUFACTURER EXCLUDES ANY IMPLIED WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR PURPOSE.

Alliance Gator excludes any responsibility for the presence of moss, mold, mildew, or similar factors that may occur on the product after its installation. Alliance Gator excludes any responsibility for use of SUPERSAND BOND with Clay Pavers or any installation not installed to manufacturer's specifications and ICPI Tech Spec #2.

* ICPI Tech Spec number 2 (Construction of Interlocking Concrete Pavements)

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