



POLYBIND COMPLETE SAND G2
FOR CONCRETE PAVERS, NATURAL STONES,
WETCAST PRODUCTS & CLAY PAVERS JOINTS UP TO 4" (10 CM)
 TDS Revision Date (dd/mm/yyyy): 24/01/2018

TECHNICAL DATA SHEET

- Update:** January 24, 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:** POLYBIND COMPLETE G2 is made with a state-of-the-art manufacturing process. Specifically, calibrated sand is mixed with sophisticated intelligent polymers that meets ASTM C144 gradation. This new generation of Intelligent Polymers neutralizes haze and dust. The polymeric sand application is now dust free and haze free. No blower is needed and the intelligent polymeric sand requires only one watering. POLYBIND COMPLETE G2 is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements, etc. Available in Nevada Tan, Oxford Grey, Ivory White and Jet Black.
- Features:**
- Can be used on false joint pavers.
 - For overlay, non-overlay, residential and commercial applications.
 - Can be used for joints up to a maximum of 4 inches (10 cm).
 - Helps prevent weeds and damage caused by burrowing insects.
 - Helps prevent erosion due to wind, rain and freeze/thaw cycles.
 - For **NON-OVERLAY, G2** sets within 1 hour after water activation at above 32°F (0°C), (no rain within 1 hour after water activation)
 - For **OVERLAY, G2** sets within 24 hours after water activation at above 32°F (0°C) (no rain within 24 hours after water activation)
 - **No Dust, Haze Free, No Blower, and One watering.**
 - Intact pallets can be stored outside.
 - Ideal for Gator Base applications.
- Clay pavers:** If used on clay pavers make sure they are 100% dry. Clay pavers tend to hold moisture, which can prematurely activate the POLYBIND COMPLETE G2 while the sand is being spread over the paver surface, leaving a residue. Always apply on a test area before using the POLYBIND COMPLETE G2 on clay pavers.
- Moss:** POLYBIND COMPLETE G2 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		WIDE JOINTS	
		sq. ft.	sq. m.	sq. ft.	sq. m.
Nevada Tan, Oxford Grey, Ivory White	50lbs / 22.7 kg	65-85	6.00-7.41	22-42	2.0-3.88
Jet Black	50lbs / 22.7 kg	58-76	5.50-6.5	20-38	1.8-3.5

FOR USE ON AND REQUIRED SUB-SURFACE PREPARATION

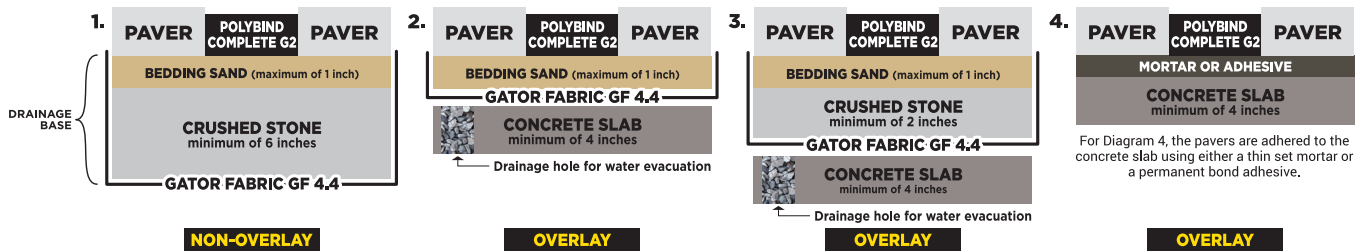
POLYBIND COMPLETE G2 is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements, etc. The concrete pavers must be installed on a drainage base system composed of 2 layers. The upper layer can have a maximum of 1 inch (2,5 cm) of bedding sand. The lower layer must have a minimum of 6 inches (15 cm) of 0-3/4" (0-20mm) crushed stone compacted at 98 % Proctor density. (See diagrams).



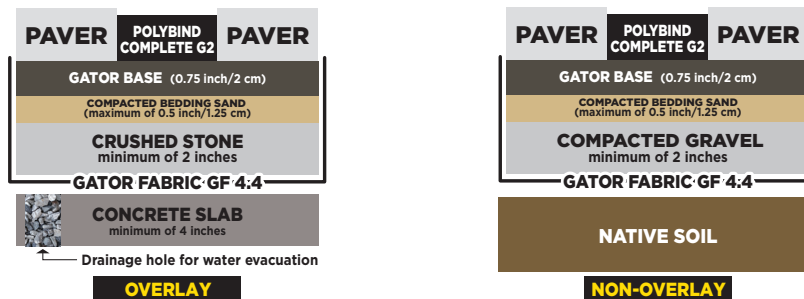
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FOR OVERLAYS APPLICATIONS

1. Remove all loose and fragile concrete.
2. Cover the ground with a Gator Fabric GF 4.4, refill with crushed stone and compact it.



WE RECOMMEND THE USAGE OF POLYBIND COMPLETE SAND G2 WITH GATOR BASE FOR THE FOLLOWING METHODS:



IMPORTANT INSTALLATION NOTES FOR G2

- A Pavers and slabs must be installed according to ICPI Tech Spec #2 non-overlay (www.icpi.org) before POLYBIND COMPLETE G2 installation. For Overlays ICPI recommends 2 inches diameter drainage holes spaced approximately 10 feet apart and at the lowest elevations in the slab. Holes should be filled with #8 stone and covered with a 1 foot x 1 foot patch of Gator Fabric GF 4.4. Drilled holes should allow any water entering the bedding layer to freely flow out.
- B 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 POLYBIND COMPLETE G2 to prematurely activate and will lead to the polymeric sand to stick on the paver surface.
- C Do not apply if the paver joints are damp or wet. This will prevent the POLYBIND COMPLETE G2 from properly sliding into the joints and obtaining very densely packed joints, which is critical to the product's performance.
- D **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). **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).
- E Avoid excessive watering or flooding of paver surface.
- F For all paver surfaces, and particularly around in-ground pools, there must be a slope of 1/8 inch (3 mm) per linear foot away from the edge of the pool or structures to ensure optimal performance of the POLYBIND COMPLETE G2.
- G 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 POLYBIND COMPLETE G2.
- H Do not sweep POLYBIND COMPLETE G2 over asphalt.
- I Install POLYBIND COMPLETE G2 a minimum of 1/8 inch (3 mm) below the paver surface or erosion may occur. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires. Joints should be filled up to 1/8 inch (3 mm) below the edge or chamfer.



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IMPORTANT WATER ACTIVATION NOTES FOR G2

- A Work in manageable sections, ideally about 50 sq. ft. at a time, depending on temperature.
- B Do not allow POLYBIND COMPLETE G2 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 50 sq. ft (4,5 sq. m) section for 1 minute.
- E Use a watering gun connected to a hose. Set to shower.

POLYBIND COMPLETE G2 INSTALLATION STEPS (FOR A NEW PAVER SURFACE)

1. Spread POLYBIND COMPLETE G2 with hard-bristle broom. Make sure the POLYBIND COMPLETE G2 completely fills the joints. Do not use other materials in the joints. Leave a layer of POLYBIND COMPLETE G2 on the surface to aid in the vibrating and consolidation of POLYBIND COMPLETE G2 into joints.
2. Vibrate the POLYBIND COMPLETE G2 into the paver joints using a vibratory plate compactor. A rubber pad is recommended. A roller compactor is best for slab installation. Joints should be filled up to 1/8 inch (3 mm) 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 and 2 to ensure joints are filled and consolidated. Narrow joints require more care to completely fill.
3. Sweep off excess POLYBIND COMPLETE G2 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 (3 mm) below the edge or chamfer of the paver.
4. Activate POLYBIND COMPLETE G2 by showering 50 sq. ft. (4,5 sq. m.) section for 1 minute, starting at the lowest point. Once all the sections are activated, rinse off any debris that is on the total paver surface.

POLYBIND COMPLETE G2 INSTALLATION (FOR AN EXISTING PAVER SURFACE)

When using POLYBIND COMPLETE G2 to replace existing jointing materials, old jointing materials need to be completely cleaned out of the joints and pavers completely dry before installing POLYBIND COMPLETE G2. Be careful not to disturb the bedding material under the pavers. Follow steps 1 to 4 of POLYBIND COMPLETE G2 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	425	psi
Drying shrinkage	25 days	ASTM C-596	0.032	%
Water immersion	7 days	SOP-MP-035	pass	
Resistance to efflorescence	7 days	SOP-MP-036	pass	
Penetration strength	24 hrs	SOP MP-032	123	PSI
Spring drive	24 hrs	SOP MP 032	8	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	1.96	ΔE value



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Packaging:	Product	Size	Units per Pallet
	POLYBIND COMPLETE SAND G2 - Nevada Tan	22.7 kg (50 lbs)	56
	POLYBIND COMPLETE SAND G2 - Oxford Grey	22.7 kg (50 lbs)	56
	POLYBIND COMPLETE SAND G2 - Ivory White	22.7 kg (50 lbs)	56
	POLYBIND COMPLETE SAND G2 - Jet Black	22.7 kg (50 lbs)	56



NO DUST • HAZE FREE • NO BLOWER • ONE WATERING

LIMITED WARRANTY:

15-YEAR LIMITED WARRANTY (RESIDENTIAL)

Please note that this limited warranty applies only 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). Also warranted when used with Gator Base. However, for a period of 15 years from purchase, the manufacturer agrees that 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, then the manufacturer agrees to refund the purchase price. 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 whatsoever for the presence of moss, mold, mildew, or similar factors that may occur on the product after its installation. The presence of moss, mold or mildew is caused by the particular 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 after installation. ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for use of POLYBIND COMPLETE G2 with Clay Pavers or any installation not installed to manufacturer's specifications and ICPI Tech Spec #2.

1 YEAR LIMITED WARRANTY (COMMERCIAL)

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.