MAXX G2

Polymeric Sand

Installation Guide

VAN BEEK'S
LANDSCAPE SUPPLY

www.vanbeeks.com

03C

GATOR MAXX SAND G2
FOR PAVER & NATURAL STONE JOINTS
UP TO 4" (10 CM) FOR TRADITIONAL APPLICATIONS
& 2" (5 CM) FOR OVERLAY APPLICATIONS
TDS Revision Date (dd/mm/yyyy): 07/10/2021

TECHNICAL DATA SHEET

Update:

7 octobre, 2021
Make sure you have an updated data sheet on hand.
Canada and U.S. dial **1-855-847-7767** or (450) 624-1611

Description:

GATOR MAXX G2 is made with a state-of-the-art manufacturing process. Specifically, calibrated sand is mixed with sophisticated intelligent polymers. 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. **GATOR MAXX G2** is recommended for a variety of uses including pool decks, patios, footpaths, driveways, parking spaces, pavements, etc. Available in Beige, Slate Grey, Ivory and Black Diamond.

Features:

- **No Dust, Haze Free, No Blower, and One Watering**
- **For Traditional applications**, rain safe 15 minutes after water activation
- **For Overlay applications**, rain safe 24 hours after water activation
- Used for joints up to a maximum of 4" (10 cm) in traditional application
- Used for joints up to a maximum of 2" (5 cm) in overlay application
- ASTM C144 gradation allows use in even the tightest joints
- OSHA silica crystalline compliant (OSHA 29 CFR 1926.1153)
- Works above 32°F (0°C)
- Ideal for Gator Base applications
- Can be used on false joint pavers
- Helps prevent weeds and damage caused by burrowing insects.
- Helps prevent erosion due to wind, rain and freeze/thaw cycles.
- Waterproof bags: Lay bag flat on its back, so front of the bag is facing you. Intact pallets or bags can be stored outdoors.

Maintenance of paved surface:

When maintaining the paver surface, apply Gator Shampoo 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 80 psi/550 kPa).

Clay pavers:

If used on clay pavers make sure they are 100% dry. Clay pavers tend to hold moisture, which can prematurely activate the **GATOR MAXX G2** while the sand is being spread over the paver surface, leaving a residue. Always apply on a test area before using the **GATOR MAXX G2** on clay pavers.

Moss:

GATOR MAXX 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.

Access our online sand calculator

Per 50 lb (22.7 kg) bag (Paver 2-3/8" (6 cm) in height)	**NARROW JOINTS**	**WIDE JOINTS**
	1/8" to 3/8" (3-9 mm)	**3/4" to 1-1/4" (19-32 mm)**
Beige, Slate Grey, Ivory	65-85 sq. ft. (7-7.9 sq. m)	22-42 sq. ft. (2-3.9 sq. m.)
Black Diamond	58-76 sq. ft.	20-38 sq. ft.

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IMPORTANT INSTALLATION NOTES FOR G2

A Always refer to the latest **GATOR MAXX G2** Technical Data Sheet (TDS) at **AllianceGator.com** before installing **GATOR MAXX G2**.

B Pavers and slabs must be installed according to ICPI Tech Spec #2 traditional base (www.icpi.org) before **GATOR MAXX G2** installation. For overlay, ICPI recommends 2 inches (5 cm) diameter drainage holes spaced approximately 10 feet (3 meters) apart and at the lowest elevations in the slab. Holes should be filled with 3/8" (9mm) stone and covered with a 1 foot x 1 foot (30 cm x 30 cm) patch of Gator Fabric GF4.4. Drilled holes should allow any water entering the bedding layer to freely flow out.

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 **GATOR MAXX G2** 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 **GATOR MAXX G2** from properly sliding into the joints and obtaining very densely packed joints, which is critical to the product's performance.

E Temperature must be above 32°F (0°C) with dry conditions and a minimum of **15 minutes of dry weather** required after activation in traditional application and **24 hours in overlay applications**.

F For all paver surfaces, and particularly around in-ground pools, there must be a minimum 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 **GATOR MAXX 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 **GATOR MAXX G2**.

H Do not sweep **GATOR MAXX G2** over asphalt.

I **GATOR MAXX G2** level, must be at least 1/8 inch (3 mm) below top of paver's surface or 1/8 inch (3 mm) below the chamfer or erosion may occur. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tire.

J For textured or pre-finished surfaces, we recommend to remove all the sand from the paver or slab surface prior to using the plate or roller compactor.

Please note: All pavers must be completely interlocked for vehicular and pedestrian use. If pavers are fanned they are not considered interlocked.**GATOR MAXX G2** 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 **GATOR MAXX G2** when the pavers are installed directly on aggregates with large voids.

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

Maximum joint width for overlays 2" (5 cm)
Maximum joint width for traditional base 4" (10 cm)

PAVERS OR NATURAL STONES WITHOUT CHAMFER

PAVERS OR NATURAL STONES WITH CHAMFER

POLYMERIC SAND REQUIREMENTS
Minimum joint width: 1/8" (3 mm)
Maximum joint width: 4" (10 cm)
Maximum overlay joint width: 2" (5 cm)
Minimum joint depth: 1 1/2" (38 mm)

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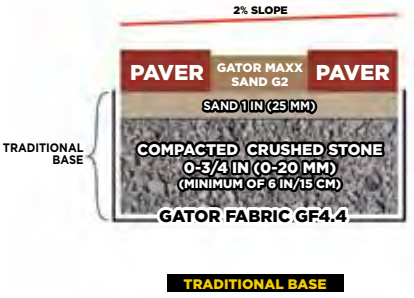
REQUIRED SUB-SURFACE PREPARATION AND FOUNDATION OPTIONS

GATOR MAXX 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 traditional or overlay base system. (See diagrams).

1 Traditional base system:

- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 4" (10 cm)
- Minimum depth of joint 1 1/2" (38 mm)
- Layer of bedding sand maximum of 1" (25 mm)
- Layer of 6" (15 cm) thickness of 0- 3⁄4" (0-20 mm) compacted crushed stone
- For light traffic applications the pavers must be completely interlocked



C-33 sand or ASTM No. 9 stone can be used under pavers.

2 Gator Base system:

- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 4" (10 cm)
- Minimum depth of joint 1 1/2" (38 mm)
- Gator Base on compacted sand (C-33 sand or ASTM No. 9) maximum of 1" (25 mm)
- Adding a layer of bedding sand (C-33 sand or ASTM No. 9) maximum of 1" (25 mm) on top of Gator Base is also an accepted method, when paver or stone are not equal in height
- For pedestrian applications only

C-33 sand or ASTM No. 9 stone can be used under pavers.

3 Overlay application:

- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 2" (5 cm)
- Minimum depth of joint 1 1/2" (38 mm)
- Layer of bedding sand maximum of 1" (25 mm)
- Layer of 4" (10 cm) thickness of concrete with 2" (5 cm) drainage hole every 10' (3 m) filled with 3/8" (9mm) clean stone and cover with a geotextile for water evacuation
- For light traffic applications the pavers must be completely interlocked

Note:

- Remove all loose and fragile concrete
- Cover the surface with a geotextile Gator Fabric GF4.4, refill with crushed stone and compact it

C-33 sand or ASTM No. 9 stone can be used under pavers.

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REQUIRED SUB-SURFACE PREPARATION AND FOUNDATION OPTIONS (CONT.)

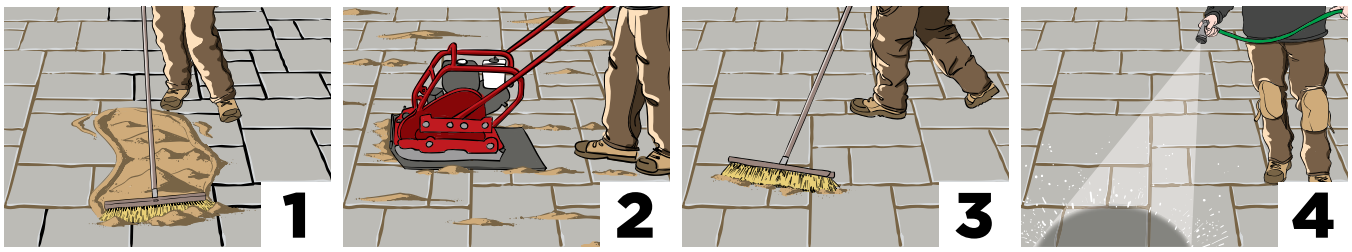
4 Overlay application:

- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 2" (5 cm)
- Minimum depth of joint 1-1/2" (38 mm)
- Layer of bedding sand maximum of 1" (25 mm)
- Minimum layer of 2" (5 cm) thickness of 0-3/4" (0-20 mm) compacted crushed stone
- Layer of 4" (10 cm) thickness of concrete with 2" (5 cm) drainage hole every 10' (3 m) filled with 3/8" (9mm) clean stone and cover with a geotextile for water evacuation
- For light traffic applications the pavers must be completely interlocked

Note:

- Remove all loose and fragile concrete
- Cover the surface with a geotextile Gator Fabric GF4.4, refill with crushed stone and compact it

C-33 sand or ASTM No. 9 stone can be used under pavers.



GATOR MAXX G2 INSTALLATION STEPS (FOR A NEW PAVER SURFACE)

1 Spread with hard-bristle broom. Make sure the **GATOR MAXX G2** completely fills the joints. Do not use with other materials in the joints. Leave a layer of **GATOR MAXX G2** on the surface to aid in the vibrating and consolidation of **GATOR MAXX G2** into joints. For textured or pre-finished surfaces, we recommend to remove all the sand from the paver or slab surface prior to using the plate or roller compactor.

2 Vibrate the **GATOR MAXX G2** into the paver joints using a vibratory plate compactor. A rubber pad is recommended. A roller compactor is best for slab installation. Joints sand level, must be at least 1/8 inch (3 mm) below top of paver's surface or 1/8 inch (3 mm) below the 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 **GATOR MAXX G2** from the paved surface, first with a hard-bristle broom, then a soft-bristle broom. Take care to leave the height of **GATOR MAXX G2** at least 1/8 inch (3 mm) below top of paver's surface or 1/8 inch (3 mm) below the chamfer.

IMPORTANT 30-30 WATER ACTIVATION NOTES FOR G2

A Use a watering gun connected to a hose. Set to shower.

B Watering must be started at the lowest point of the paved surface.

C Never allow paved surface to dry out during the water-activation phase.

D Do not allow **GATOR MAXX G2** to wash out of joint.

E Shower for a minimum of 30 seconds for 30 sq. ft. (3 sq. m.) or until the **GATOR MAXX G2** repels the water and the water starts to accumulate on the joints.

4 Shower for a minimum of 30 seconds for 30 sq. ft. (3 sq. m.) or until the **GATOR MAXX G2** repels the water and the water starts to accumulate on the joints.

QUALITY IS OUR STRENGTH

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GATOR MAXX G2 INSTALLATION (FOR AN EXISTING PAVER SURFACE)

Remove existing jointing material. Be careful not to disturb the bedding material under the pavers. Pavers must be completely dry before installing a minimum of 1 1/2" (38 mm) deep into the joints. **GATOR MAXX G2** level, must be at least 1/8 inch (3 mm) below top of paver's surface or 1/8 inch (3 mm) below the chamfer or erosion may occur. The filled and cured polymeric sand joints should never be in direct contact with foot traffic or tires. Follow **GATOR MAXX G2** installation steps 1 to 4 for a new paver surface.

TYPICAL PROPERTIES						
Test	**European Method**	**North American Method**	**Cure**	**Units** European (American) method	**Typical Value***	
					minimum	**maximum**
Sand Gradation	DIN EN 13139	ASTM C-144	N/A	N/A	**Compliant**	**Compliant**
Penetration resistance	ISO 1920-14	ASTM C-403	7 days 28 days	N/mm² (PSI)	**1,8 (250)** **19 (2760)**	**2,6 (370)** **39 (5630)**
Water Absorption	BS EN 12808-5 30 minutes 4 hours	ASTM D-1403 30 minutes 4 hours	28 days	g (g/100cm²)	**0,15 (1,0)** **0,31 (2,0)**	**0,23 (1,4)** **0,43 (2,7)**
Erosion resistance	ISO 19392-3	ASTM D-7538	15 minutes	erosion %	**<5**	**5**
Flexural strenght	BS EN 13892-2	ASTM C-348	7 days 28 days	N/mm² (PSI)	**0,6 (80)** **2,4 (350)**	**0,9 (130)** **3,5 (510)**
Compressive strenght	BS EN 13892-2	ASTM C-109	7 days 28 days	N/mm² (PSI)	**1,1 (160)** **8,7 (1260)**	**2,3 (340)** **11 (1600)**

** Will vary depending on the color of the sand*

Packaging:	Product	Size	Units per Pallet
	GATOR MAXX SAND G2 - Beige	50 lbs (22.7 kg)	56 USA / 70 CAN
	GATOR MAXX SAND G2 - Slate Grey	50 lbs (22.7 kg)	56 USA / 70 CAN
	GATOR MAXX SAND G2 - Ivory	50 lbs (22.7 kg)	56 or 28 USA / 70 or 35 CAN
	GATOR MAXX SAND G2 - Black Diamond	50 lbs (22.7 kg)	56 or 28 USA / 70 or 35 CAN

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