



## GATOR NITRO JOINT SAND

TDS Revision Date (dd/mm/yyyy): 15/05/2025

Page 1 of 8



# TECHNICAL DATA SHEET

- Update:** May 15, 2025  
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 NITRO JOINT SAND** is the ideal air cure, permeable jointing material. It is a ready-to-use mixture of calibrated sand and proprietary resin formula which cures when exposed to air, hardening from top to bottom of the joint. The product can be installed in wet or dry weather.
- Ideal for:**
- Concrete pavers, concrete slabs, natural stones or wet cast stones
  - Outdoor porcelain tiles, porcelain pavers or porcelain slabs
  - Residential driveways with light vehicular use
  - Patios, pool areas and walkways
- Sub Base:**
- Traditional drainage base
  - Permeable base
  - Hybrid base
  - Gator Base (for pedestrian use only):
- Note:**
- The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- Features:**
- Joint width of 1/8" (3 mm) to 1/4" (6 mm) for outdoor porcelain tiles, porcelain pavers or porcelain slabs
  - Joint width of 3/16" (5 mm) to 2" (50 mm) for concrete pavers, concrete slabs, natural stones or wet cast stones
  - Joint depth min 3/4" (20 mm) to a max 2-3/8" (60 mm)
  - Permeable \*
  - Apply rain or shine
  - Strength from top to bottom
  - Works above 37°F (3°C)
- Maintenance of paved surface:** When maintaining the paved surface, apply [Gator Shampoo](#) to clean the entire surface including the stone 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).
- \* **GATOR NITRO** is permeable when installed. However, If not maintained properly, permeability will be obstructed over time. To avoid obstruction in the joints, periodically use a pressure washer to remove all dirt and debris. Wait 28 days after the initial application of **GATOR NITRO** before using a pressure washer.
- Moss:** **GATOR NITRO** 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.



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TDS Revision Date (dd/mm/yyyy): 15/05/2025

**Coverage:** The quantity required depends on the size of the joints. One pail of 40 lb (18.1 kg) will cover:

	Beige	Grey	Silver	Black
<b>Porcelain tile 24"x 24"x 3/4" with 1/8" joint width</b> <b>Porcelain tile 60 cm x 60 cm x 20 mm with 3 mm joint width</b> <b>Paver or stone 12"x 12" x 2 3/8" with joints of 3/16" to 1"</b> <b>Paver or stone 30 cm x 30 cm x 60 mm with joints of 5 mm to 25 mm</b>				
1/8" joint ( PorcelainTile)	537 ft <sup>2</sup>	500 ft <sup>2</sup>	537 ft <sup>2</sup>	463 ft <sup>2</sup>
3 mm joint ( Porcelain tile )	49.9 m <sup>2</sup>	46.5 m <sup>2</sup>	49.9 m <sup>2</sup>	43 m <sup>2</sup>
3/16" joint (Concrete paver)	35 ft <sup>2</sup>	33 ft <sup>2</sup>	35 ft <sup>2</sup>	31 ft <sup>2</sup>
5 mm joint (Concrete paver)	3.3 m <sup>2</sup>	3 m <sup>2</sup>	3.3 m <sup>2</sup>	2.9 m <sup>2</sup>
3/4" joint (Concrete Paver)	15 ft <sup>2</sup>	14 ft <sup>2</sup>	15 ft <sup>2</sup>	13 ft <sup>2</sup>
20 mm joint (Concrete paver))	1.4 m <sup>2</sup>	1.3 m <sup>2</sup>	1.4 m <sup>2</sup>	1.2 m <sup>2</sup>
1" joint (Concrete Paver)	11 ft <sup>2</sup>	10 ft <sup>2</sup>	11 ft <sup>2</sup>	9 ft <sup>2</sup>
25 mm joint (Concrete paver)	1 m <sup>2</sup>	0.9 m <sup>2</sup>	1 m <sup>2</sup>	0.8 m <sup>2</sup>



[Access online sand calculator](#)

**Permeability:** Permeable when installed. If not maintained, permeability will be obstructed over time.

**Storage:** 24 months in cool area. Store outdoors under a covered area, away from direct sun or store outdoors at temperatures ranging from -22 to 86°F (-30 to 30°C). Skid of **GATOR NITRO** can be double stacked for storage, but not in transport.

**PREPARATION INFORMATION (IMPORTANT NOTES)**

- A. Always refer to the latest **GATOR NITRO** [Technical Data Sheet \(TDS\)](#) at [AllianceGator.com](http://AllianceGator.com) before installing.
- B. The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- C. **GATOR NITRO** can be installed rain or shine. Paving surface must be pre-wet before installation and must remain wet throughout the installation process or staining may occur.
- D. **GATOR NITRO** must be installed above 37°F (3°C).
- E. Joint width of 1/8" (3 mm) to 1/4" (6 mm) for outdoor porcelain tiles, porcelain pavers or porcelain slabs.  
Joint width of 3/16" (5 mm) to 2" (50 mm) for concrete pavers, concrete slabs, natural stones or wet cast stones.
- F. Joint depth: Minimum 3/4" (20 mm) Maximum 2 3/8" (60 mm).
- G. Working time: Product must be applied within approximately 45 minutes.
- H. **GATOR NITRO** can only be used on a drainage base application.
- I. Paved surface can be used after 18 hours.
- J. Avoid power-washing for a minimum of 28 days after applying.



**Alliance Designer Products Inc.**  
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## GATOR NITRO JOINT SAND

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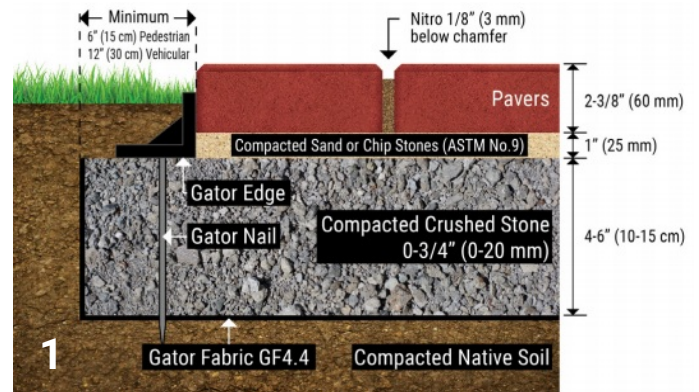
### PREPARATION INFORMATION (IMPORTANT NOTES (CONT.))

#### REQUIRED SUB-SURFACE PREPARATION AND FOUNDATION OPTIONS

**GATOR NITRO** is recommended for a variety of uses, including patios, walkways, pool decks and driveways. The pavers, porcelain tile, natural or wet cast stones must be installed for pedestrian and light vehicular traffic applications on one of the 5 base systems below. For the use of the Gator Base systems will be for pedestrian applications only. :

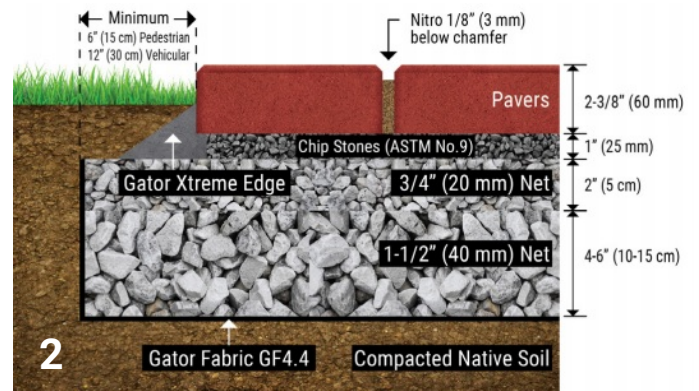
#### Option 1 Traditional Drainage Base

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Foundation of 4-6" (10-15 cm) compacted crushed stone (0-3/4" (0-20 mm)).
- Setting bed of 1" (25 mm) of sand or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Nail [Gator Edge](#) on the compacted crushed stone and insure the vertical section of the edge hugs the pavers, so no bedding material migrates out. See diagram 1.



#### Option 2 Permeable Base

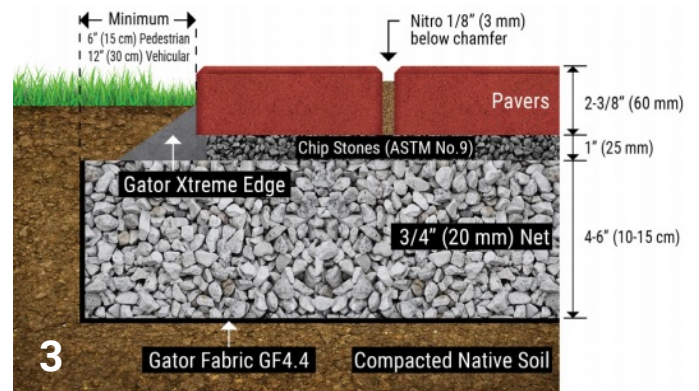
- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- 4-6" (10-15 cm) of 1-1/2" (38 mm) plus of compacted crushed stone.
- 2" (50 mm) of 3/4" (20 mm) net stone well compacted.
- Setting bed of 1-2" (25-50 mm) of chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Spread and trowel [Gator XTreme Edge](#) on the 3/4" (20 mm) net and make sure the [XTreme Edge](#) hugs and lies 1" (25 mm) under the pavers. See diagram 2.



**N.B. GATOR NITRO** could be installed only 90 minutes after [Gator XTreme Edge](#) has been applied.

#### Option 3 Hybrid Base

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Foundation of 4-6" (10-15 cm) compacted crushed stone 3/4" (20 mm).
- Setting bed of 1" (25 mm) of chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Spread and trowel [Gator XTreme Edge](#) on the 3/4" (20 mm) net and make sure the [XTreme Edge](#) hugs and lies 1" (25 mm) under the pavers. See diagram 3.



**N.B. GATOR NITRO** could be installed only 90 minutes after [Gator XTreme Edge](#) has been applied.

\* Choke refers to chip stones (ASTM No. 9 1/8" - 1/4" (3 mm - 6 mm)) setting bed that prevents the **GATOR NITRO** from migrating through the voids.



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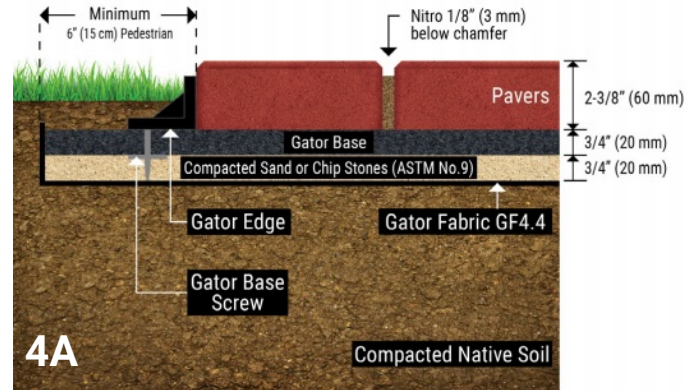


### PREPARATION INFORMATION (IMPORTANT NOTES (CONT.))



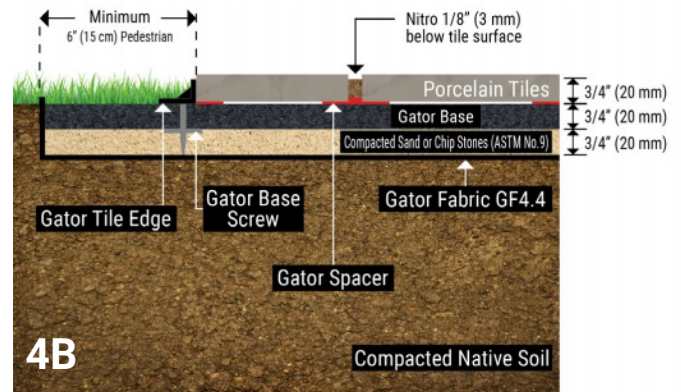
#### Option 4a Gator Base (Pedestrian use only)

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Setting Bed: Compacted sand 3/4" -1" (20-25 mm) or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- [Gator Base](#) installation exceeding 6" (15 cm) the final paved area.
- Same as traditional.
- Screw in the [Gator Edge](#) on the [Gator Base](#) at every 2nd hole and insure the vertical section of the edge hugs the pavers. See diagram 4A.



#### Option 4b Gator Base (Pedestrian use only) with Gator Tile System

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Setting Bed: Installation of sand 3/4" -1" (20-25 mm) or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- [Gator Base](#) installation exceeding 6" (15 cm) the final porcelain tiles area.
- Install the porcelain tiles with the help of the [Gator Spacer](#) (1/8", 3/16" or 1/4" (3 mm, 5 mm or 6 mm)) and the [Gator XP glue](#) to insure a mechanical bonding and the structural integrity of the system.
- Install [Gator Tile Edge](#) against the porcelain tiles and use [Gator Base Screws](#) at every second holes on the [Gator Base](#).



#### Gator Tile System 7 components:

- 1 GF4.4
- 2 Gator Base
- 3 Gator Spacer 1/8", 3/16" or 1/4" (3 mm, 5 mm or 6 mm)
- 4 Gator XP Glue
- 5 Gator Tile Edge
- 6 Gator Base Screw
- 7 Gator Nitro-X Sand

\* Choke refers to chip stones (ASTM No. 9 1/8" - 1/4" (3 mm - 6 mm)) setting bed that prevents the **GATOR NITRO-X** from migrating through the voids.



## GATOR NITRO JOINT SAND

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### INSTALLATION STEPS

Designed for pedestrian and vehicular applications, **GATOR NITRO** is ready-to-use and does not require any mixing. After you have followed the REQUIRED SUB-SURFACE PREPARATION described above, you are ready to apply the **GATOR NITRO**. Installation will be easier with two people.

### NOTE

- A. The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- B. There is no need to protect treated joints from rain while setting. Although the presence of rain will delay the setting process. Full strength: 28 days but surface can be walked on after 18 hours. If heavy rain has occurred when the joints have been pointed, then it may be necessary to revisit the job once the weather has cleared to touch up joints.
- C. **GATOR NITRO** can be applied when the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on chip stones (1/8" to 1/4" (3 to 6 mm)) that lock or choke\* themselves. This means the **GATOR NITRO** will not migrate through the voids.
- D. Do not apply **GATOR NITRO** when the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on aggregates with large voids. **GATOR NITRO** will migrate through aggregates with large voids.
- E. By following **GATOR NITRO** installation instructions carefully, you will obtain a very hard jointing material.
- F. When installing concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs around an underground pool, a slope of 1/8 inch (3 mm) per linear foot (30 cm) away from the pool is mandatory.
- G. All concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs surfaces must have a drainage slope for the **GATOR NITRO** to work at its optimum.
- H. For the pool coping blocks, it is mandatory to use mortar in the joints. For the rest of the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installation around the pool, you can use **GATOR NITRO**.

\* Choke refers to (when concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on chip stones (1/8" to 1/4" (3 to 6 mm)) that lock or choke themselves. This means the **GATOR NITRO** will not migrate through the voids.)



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TDS Revision Date (dd/mm/yyyy): 15/05/2025



### INSTALLATION STEPS

#### STEP 1

Wet the area to be jointed. If the surface is dry or temperature is high, more water will be required to avoid staining of the surface when spreading the **GATOR NITRO**.

#### STEP 2

Open the bag of **GATOR NITRO** and spread the contents over the paved surface. Thoroughly soak the **GATOR NITRO** with water while using a squeegee or a hard bristle broom to spread and mix, allowing the **GATOR NITRO** to flow into the joints. Continue applying water while using a squeegee or broom to push the **GATOR NITRO** diagonally across the paved surface and into the joints. This action compacts and forces the **GATOR NITRO** into the joints ensuring the gaps are filled. Ensure joints are completely filled before moving on to the next section. Use a hard bristle broom for textured surfaces and final joint height setting.

#### STEP 3

The joints should be filled 1/8" (3 mm) below the top surface without chamfer or 1/8" (3 mm) below the selected paving material chamfer with the **GATOR NITRO**. Shower the surface to rinse off excess material from the paved surface. Repeat steps 2 and 3 until the whole paving area is completed.

The joints are effectively rain safe immediately, although rain will delay the setting process. Full strength will be reached after 28 days. Surface can be opened to traffic after initial setting, approximately 18 hours in dry conditions above 75°F (24°C). If heavy rain has occurred when the joints have been pointed, then it may be necessary to revisit the job once the weather has cleared to touch up joints.





**GATOR NITRO JOINT SAND**

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**GATOR NITRO PERMEABILITY, COMPRESSIVE, STRUCTURAL AND CHEMICAL TESTING RESULTS.**

These results are based on methods and standards . Example,Time of curing, Temperature, Humidity, Joint Depth, Joint Width.

**A. Outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone joints drainage (permeability<sup>1</sup>)**

Product	Water Permeability	
	(Gal/min./sq.ft)	(L/min./m <sup>2</sup> )
Gator Nitro Sand Beige	1.1	46
Gator Nitro Sand Grey	2.3	93
Gator Nitro Sand Black	0.7	31
Gator Nitro Sand Silver	1.3	55

<sup>1</sup>The tests have been performed in order to evaluate the water permeability in a outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone joints without substrate. In this case, the values obtained are limited to the joints exclusively rather than a complete paver system installation. These values will decrease significantly with any kind of underneath restriction combined with dust or debris accumulation into the joints over times. To perform these tests, we used multi dimensions Permeable Grey pavers as shown with ; 15 mm joints width, 60 mm thick w/o the underground base. The support was made of geotextile Gator Fabric GF3 on a wood pallet. The tests were performed after 7 days of curing and were repeated twice, on 3 different locations. Temperature was 20 degrees Celsius. Relative humidity was 50%.

Paver dimensions 60 mm x130 mm x (130-160-185-215 mm)



**B. Compressive & flexural strength**

Product	7 day compressive strength		7 days flexural strength	
	(PSI)	(N/mm <sup>2</sup> )	(PSI)	(N/mm <sup>2</sup> )
Gator Nitro Sand Beige	1178	8.1	323	2.2
Gator Nitro Sand Grey	667	0.5	232	1.6
Gator Nitro Sand Black	1104	7.6	377	2.6
Gator Nitro Sand Silver	503	3.5	84.7	0.6

Test Method used : BS EN 13892-2 Determination of flexural & compressive strength.



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**GATOR NITRO PERMEABILITY, COMPRESSIVE, STRUCTURAL AND CHEMICAL TESTING RESULTS. (CONT.)**

**C. Chemical resistance**

Product	Sodium Hypochlorite 4% slt (Bleach)	Calcium Chloride 50% slt (De-icing salt)
	7 days immersion	7 days immersion
Gator Nitro Sand Beige	No effect	No effect
Gator Nitro Sand Grey	No effect	No effect
Gator Nitro Sand Black	No effect	No effect
Gator Nitro Sand Silver	No effect	No effect

The purpose of these tests was to evaluate if the joints made of Gator Nitro Sand would deteriorate in contact with swimming pool chlorine or de-icing salt in winter. After 7 days of total immersion, no deterioration of the products was observed. A very long period (several months) would probably have an effect similar to what we would be observed on outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone.

Packaging:	Product	Size	Units per Pallet
	<b>GATOR NITRO JOINT SAND - BEIGE</b>	40 lb (18.1 kg)	48
	<b>GATOR NITRO JOINT SAND - GREY</b>	40 lb (18.1 kg)	48
	<b>GATOR NITRO JOINT SAND - SILVER</b>	40 lb (18.1 kg)	48
	<b>GATOR NITRO JOINT SAND - BLACK</b>	40 lb (18.1 kg)	48

**5-YEAR LIMITED WARRANTY**

Before applying the product, the user/buyer must determine its suitability for intended use and user/buyer assumes all risks in that regard. It is a condition of the Limited Warranty that before using the product on the intended larger area, the user/ buyer must test the product on a small less observed area of approximately 4 sq. ft. (0.4 sq. m.) to ensure results meet user/buyer's expectations. In the event that no test is carried out, the 5-year Limited Warranty will only apply to 4 sq. ft. (0.4 sq. m.). Alliance Designer Products Inc. cannot guarantee results as it has no control over surface preparation and product application. If this product is proven to be defective, on the condition that it was applied pursuant to the required method of application and surface preparation, the sole obligation Alliance Designer Products Inc. is to refund the purchase price. Proof of purchase is required for any claim. Alliance Designer Products Inc. shall not be liable for any other damages whatsoever, direct or consequential. To the extent permitted by law, Alliance Designer Products Inc. excludes any implied warranty of quality, merchantability or fitness for purpose

**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. ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for use of any Gator NITRO sand for any installation not installed to manufacturer's specifications.

**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 GATOR NITRO SAND for any installation not installed to manufacturer's specifications. Alliance Designer Products shall not be liable for any non-compliant use.

**5 YEAR  
LIMITED WARRANTY**



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## GATOR NITRO-X FINE JOINT SAND

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Page 1 of 8



# TECHNICAL DATA SHEET

- Update:** February 5, 2026  
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 NITRO-X FINE JOINT SAND** is the ideal air cure, low permeability jointing material. It is a ready-to-use mixture of calibrated fine sand and new proprietary resin formula which cures when exposed to air, hardening from top to bottom of the joint. The product can be installed in wet or dry weather. The Rapid Flow Technology makes it fast and simple to Install.
- Ideal for:**
- Concrete pavers, concrete slabs, natural stones or wet cast stones
  - Outdoor porcelain tiles, porcelain pavers or porcelain slabs
  - Residential driveways with light vehicular use
  - Patios, pool areas and walkways
- Sub Base:**
- Traditional drainage base
  - Permeable base
  - Hybrid base
  - Gator Base (for pedestrian use only)
- Note:**
- The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO-X** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO-X**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- Features:**
- Joint width of 1/8" (3 mm) to 1/4" (6 mm) for outdoor porcelain tiles, porcelain pavers or porcelain slabs
  - Joint width of 1/8" (3 mm) to 2" (50 mm) for concrete pavers, concrete slabs, natural stones or wet cast stones
  - Joint depth min 3/4" (20 mm) to a max 2-3/8" (60 mm)
  - RAPID FLOW TECHNOLOGY
  - Fast and simple installation
  - Xtra fine gradation jointing sand
  - Xtra low permeability
  - Apply rain or shine
  - Xtra strength from top to bottom
  - Works above 37°F (3°C)
- Maintenance of paved surface:** When maintaining the paved surface, apply [Gator Shampoo](#) to clean the entire surface including the stone 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).
- GATOR NITRO-X** has a low permeability when installed. However, If not maintained properly, permeability will be obstructed over time. To avoid obstruction in the joints, periodically use a pressure washer to remove all dirt and debris. Wait 28 days after the initial application of **GATOR NITRO-X** before using a pressure washer.
- Moss:** **GATOR NITRO-X** 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.



**GATOR NITRO-X FINE JOINT SAND**

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**Coverage:** The quantity required depends on the size of the joints. One pail of 27.5 lb (12.5 kg) will cover:

Porcelain tile 24" x 24" x 3/4" with 1/8" joint width (60 cm x 60 cm x 20 mm with 3 mm joint width) Paver or stone 12" x 12" x 2-3/8" with joints 3/16" to 1" (30 cm x 30 cm x 60 mm with joints 5 mm to 25 mm)					
	Taupe	Platinum	Gunmetal	Black	Vanilla
1/8" joint (Porcelain tile)	374 sq. ft.	348 sq. ft.	348 sq. ft.	323 sq. ft.	374 sq. ft.
3 mm joint (Porcelain tile)	35 sq. m.	33 sq. m.	33 sq. m.	31 sq. m.	35 sq. m.
1/8" joint (Concrete paver)	64 sq. ft.	59 sq. ft.	59 sq. ft.	54 sq. ft.	64 sq. ft.
3 mm joint (Concrete paver)	6 sq. m.	5.5 sq. m.	5.5 sq. m.	5.1 sq. m.	6 sq. m.
3/16" joint (Concrete paver)	38 sq. ft.	35 sq. ft.	35 sq. ft.	33 sq. ft.	38 sq. ft.
5 mm joint (Concrete paver)	3.6 sq. m.	3.3 sq. m.	3.3 sq. m.	3.1 sq. m.	3.6 sq. m.
3/4" joint (Concrete paver)	10.4 sq. ft.	9.6 sq. ft.	9.6 sq. ft.	9 sq. ft.	10.4 sq. ft.
20 mm joint (Concrete paver)	0.97 sq. m.	0.9 sq. m.	0.9 sq. m.	0.84 sq. m.	0.97 sq. m.
1" joint (Concrete paver)	8 sq. ft.	7 sq. ft.	7 sq. ft.	6.8 sq. ft.	8 sq. ft.
25 mm joint (Concrete paver)	0.75 sq. m.	0.69 sq. m.	0.69 sq. m.	0.65 sq. m.	0.75 sq. m.



[Access online sand calculator](#)

**Permeability:** Low permeability when installed. If not maintained, permeability will be obstructed over time.

**Storage:** 24 months in cool area. Store outdoors under a covered area, away from direct sun or store indoors at temperatures ranging from -22 to 86°F (-30 to 30°C). Skid of **GATOR NITRO-X** can be double stacked for storage, but not in transport.

**PREPARATION INFORMATION (IMPORTANT NOTES)**

- A. Always refer to the latest **GATOR NITRO-X** [Technical Data Sheet \(TDS\)](#) at [AllianceGator.com](#) before installing.
- B. The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO-X** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO-X**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- C. **GATOR NITRO-X** can be installed rain or shine. Paving surface must be pre-wet before installation and must remain wet throughout the installation process or staining may occur.
- D. **GATOR NITRO-X** must be installed above 37°F (3°C).
- E. Joint width of 1/8" (3 mm) to 1/4" (6 mm) for outdoor porcelain tiles, porcelain pavers or porcelain slabs.  
Joint width of 1/8" (3 mm) to 2" (50 mm) for concrete pavers, concrete slabs, natural stones or wet cast stones.
- F. Joint depth: Minimum 3/4" (20 mm) Maximum 2 3/8" (60 mm).
- G. Working time: Product must be applied within approximately 45 minutes.
- H. **GATOR NITRO-X** can only be used on a drainage base application.
- I. Paved surface can be used after 18 hours.
- J. Avoid power-washing for a minimum of 28 days after applying.





## GATOR NITRO-X FINE JOINT SAND

TDS Revision Date (dd/mm/yyyy): 05/02/2026



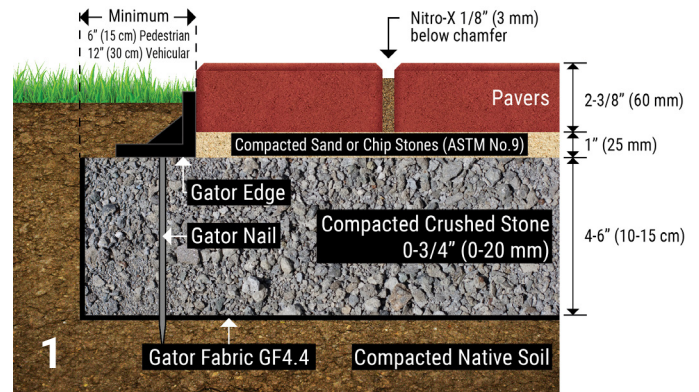
### PREPARATION INFORMATION (IMPORTANT NOTES (CONT.))

#### REQUIRED SUB-SURFACE PREPARATION AND FOUNDATION OPTIONS

**GATOR NITRO-X JOINT SAND** is recommended for a variety of uses, including patios, walkways, pool decks and driveways. The pavers, porcelain tile, natural or wet cast stones must be installed for pedestrian and light vehicular traffic applications on one of the 5 base systems below. For the use of the Gator Base systems will be for pedestrian applications only. :

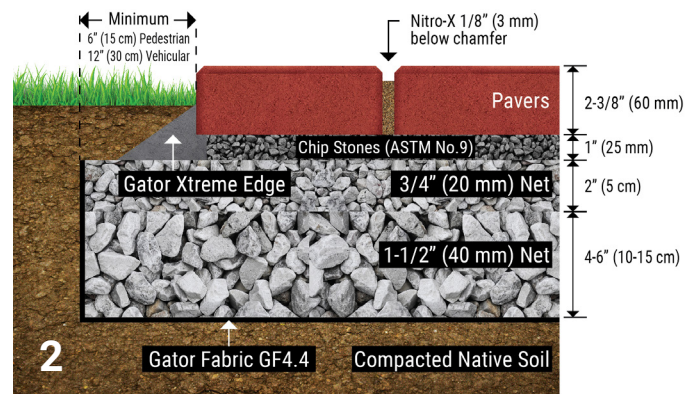
#### Option 1 Traditional Drainage Base

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Foundation of 4-6" (10-15 cm) compacted crushed stone (0-3/4" (0-20 mm)).
- Setting bed of 1" (25 mm) of sand or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Nail [Gator Edge](#) on the compacted crushed stone and insure the vertical section of the edge hugs the pavers, so no bedding material migrates out. See diagram 1.



#### Option 2 Permeable Base

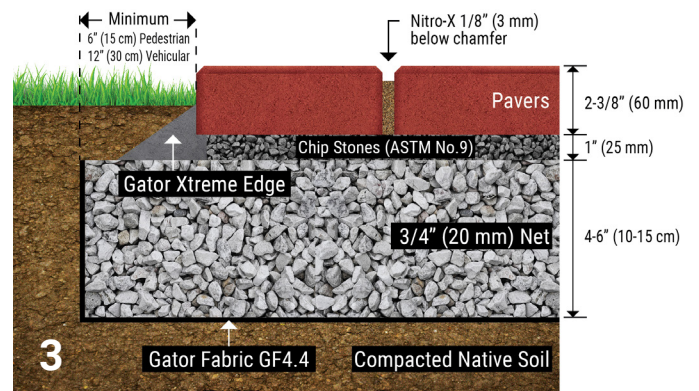
- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- 4-6" (10-15 cm) of 1-1/2" (38 mm) plus of compacted crushed stone.
- 2" (50 mm) of 3/4" (20 mm) net stone well compacted.
- Setting bed of 1-2" (25-50 mm) of chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Spread and trowel [Gator XTreme Edge](#) on the 3/4" (20 mm) net and make sure the [XTreme Edge](#) hugs and lies 1" (25 mm) under the pavers. See diagram 2.



**N.B. GATOR NITRO-X** could be installed only 90 minutes after [Gator XTreme Edge](#) has been applied.

#### Option 3 Hybrid Base

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Foundation of 4-6" (10-15 cm) compacted crushed stone 3/4" (20 mm).
- Setting bed of 1" (25 mm) of chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- Spread and trowel [Gator XTreme Edge](#) on the 3/4" (20 mm) net and make sure the [XTreme Edge](#) hugs and lies 1" (25 mm) under the pavers. See diagram 3.



**N.B. GATOR NITRO-X** could be installed only 90 minutes after [Gator XTreme Edge](#) has been applied.

\* Choke refers to chip stones (ASTM No. 9 1/8" - 1/4" (3 mm - 6 mm)) setting bed that prevents the **GATOR NITRO-X** from migrating through the voids.



## GATOR NITRO-X FINE JOINT SAND

TDS Revision Date (dd/mm/yyyy): 05/02/2026

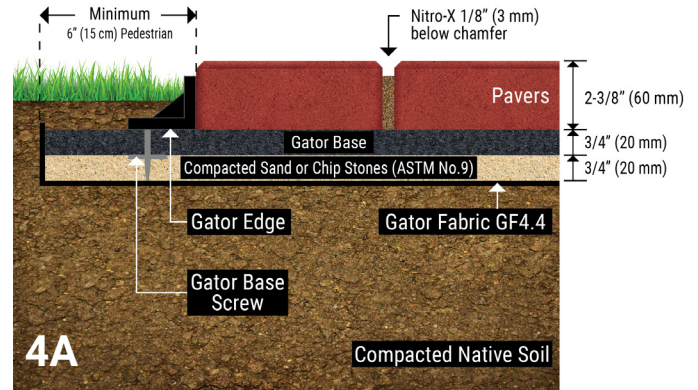


### PREPARATION INFORMATION (IMPORTANT NOTES (CONT.))



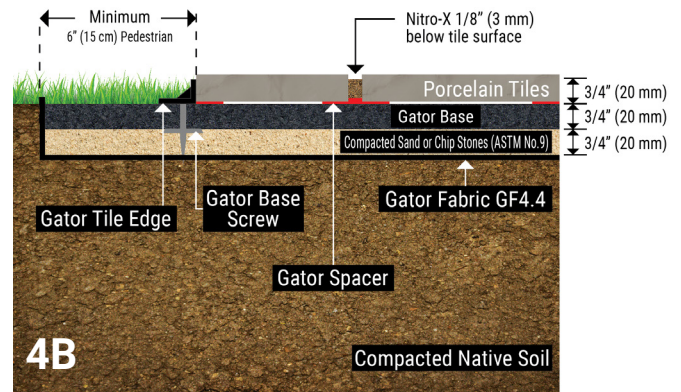
#### Option 4a Gator Base (Pedestrian use only)

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Setting Bed: Compacted sand 3/4" -1" (20-25 mm) or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- [Gator Base](#) installation exceeding 6" (15 cm) the final paved area.
- Same as traditional.
- Screw in the [Gator Edge](#) on the [Gator Base](#) at every 2nd hole and insure the vertical section of the edge hugs the pavers. See diagram 4A.



#### Option 4b Gator Base (Pedestrian use only) with Gator Tile System

- [Gator Fabric GF4.4](#) covering bottom and side of excavated area.
- Setting Bed: Installation of sand 3/4" -1" (20-25 mm) or chip stones (1/8" to 1/4" (3 to 6 mm) that will lock or choke\*) ([ASTM No. 9](#)).
- [Gator Base](#) installation exceeding 6" (15 cm) the final porcelain tiles area.
- Install the porcelain tiles with the help of the [Gator Spacer](#) (1/8", 3/16" or 1/4" (3 mm, 5 mm or 6 mm)) and the [Gator XP glue](#) to insure a mechanical bonding and the structural integrity of the system.
- Install [Gator Tile Edge](#) against the porcelain tiles and use [Gator Base Screws](#) at every second holes on the [Gator Base](#).



#### Gator Tile System 7 components:

- 1 GF4.4
- 2 Gator Base
- 3 Gator Spacer 1/8", 3/16" or 1/4" (3 mm, 5 mm or 6 mm)
- 4 Gator XP Glue
- 5 Gator Tile Edge
- 6 Gator Base Screw
- 7 Gator Nitro-X Sand

\* Choke refers to chip stones (ASTM No. 9 1/8" - 1/4" (3 mm - 6 mm)) setting bed that prevents the **GATOR NITRO-X** from migrating through the voids.



## GATOR NITRO-X FINE JOINT SAND

TDS Revision Date (dd/mm/yyyy): 05/02/2026



### INSTALLATION STEPS

Designed for pedestrian and vehicular applications, **GATOR NITRO-X** is ready-to-use and does not require any mixing. After you have followed the REQUIRED SUB-SURFACE PREPARATION described above, you are ready to apply the **GATOR NITRO-X**. Installation will be easier with two people.

### NOTE

- A. The concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs **must have no movement prior to, or after the installation** of **GATOR NITRO-X** into the joints. If the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs move or rotate, this is due to improper sub-base preparation. For clarity, **GATOR NITRO-X**, will not prevent lateral or rotational forces that are generated to the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installations. **Any movement on any paving material will void the warranty.**
- B. There is no need to protect treated joints from rain while setting. Although the presence of rain will delay the setting process. Full strength: 28 days but surface can be walked on after 18 hours. If heavy rain has occurred when the joints have been pointed, then it may be necessary to revisit the job once the weather has cleared to touch up joints.
- C. **GATOR NITRO-X** can be applied when the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on chip stones (1/8" to 1/4" (3 to 6 mm)) that lock or choke\* themselves. This means the **GATOR NITRO-X** will not migrate through the voids.
- D. Do not apply **GATOR NITRO-X** when the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on aggregates with large voids. **GATOR NITRO-X** will migrate through aggregates with large voids.
- E. By following **GATOR NITRO-X** installation instructions carefully, you will obtain a very hard jointing material.
- F. When installing concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs around an underground pool, a slope of 1/8 inch (3 mm) per linear foot (30 cm) away from the pool is mandatory.
- G. All concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs surfaces must have a drainage slope for the **GATOR NITRO-X** to work at its optimum.
- H. For the pool coping blocks, it is mandatory to use mortar in the joints. For the rest of the concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs installation around the pool, you can use **GATOR NITRO-X**.

\* Choke refers to (when concrete pavers, concrete slabs, natural stones or wet cast stones and the outdoor porcelain tiles, porcelain pavers or porcelain slabs are installed directly on chip stones (1/8" to 1/4" (3 to 6 mm)) that lock or choke themselves. This means the **GATOR NITRO-X** will not migrate through the voids.)



## GATOR NITRO-X FINE JOINT SAND

TDS Revision Date (dd/mm/yyyy): 05/02/2026

### INSTALLATION STEPS

#### STEP 1

Wet the area to be jointed. If the surface is dry or temperature is high, more water will be required to avoid staining of the surface when spreading the **GATOR NITRO-X**.

#### STEP 2

Open the bag of **GATOR NITRO-X** and spread 1/3 of the contents over the paved surface. Thoroughly soak the **GATOR NITRO-X** with water while using a squeegee or a hard bristle broom to spread and mix, allowing the **GATOR NITRO-X** to flow into the joints. Continue applying water while using a squeegee or broom to push the **GATOR NITRO-X** diagonally across the paved surface and into the joints. This action compacts and forces the **GATOR NITRO-X** into the joints ensuring the gaps are filled. Ensure joints are completely filled before moving on to the next section. Use a hard bristle broom for textured surfaces and final joint height setting.

#### STEP 3

The joints should be filled 1/8" (3 mm) below the top surface without chamfer or 1/8" (3 mm) below the selected paving material chamfer with the **GATOR NITRO-X**. Shower the surface to rinse off excess material from the paved surface. Repeat steps 2 and 3 until the whole paving area is completed.

The joints are effectively rain safe immediately, although rain will delay the setting process. Full strength will be reached after 28 days. Surface can be opened to traffic after initial setting, approximately 18 hours in dry conditions above 75°F (24°C). If heavy rain has occurred when the joints have been pointed, then it may be necessary to revisit the job once the weather has cleared to touch up joints.





**GATOR NITRO-X FINE JOINT SAND**

TDS Revision Date (dd/mm/yyyy): 05/02/2026

**GATOR NITRO-X PERMEABILITY, COMPRESSIVE, STRUCTURAL AND CHEMICAL TESTING RESULTS.**

These results are based on methods and standards . Example,Time of curing, Temperature, Humidity, Joint Depth, Joint Width.

**A. Outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone joints drainage (permeability<sup>1</sup>)**

Product	Water Permeability	
	(Gal/min./sq.ft)	(L/min./m <sup>2</sup> )
Gator Nitro-X Sand Black	0.18	7.2
Gator Nitro-X Sand GunMetal	0.24	9.7
Gator Nitro-X Sand Taupe	0.17	7.1
Gator Nitro-X Sand Vanilla	0.23	9.3
Gator Nitro-X Sand Platinum	0.22	8.8

<sup>1</sup>The tests have been performed in order to evaluate the water permeability in a outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone joints without substrate. In this case, the values obtained are limited to the joints exclusively rather than a complete paver system installation. These values will decrease significantly with any kind of underneath restriction combined with dust or debris accumulation into the joints over times. To perform these tests, we used multi dimensions Permeable Grey pavers as shown with ; 15 mm joints width, 60 mm thick w/o the underground base. The support was made of geotextile Gator Fabric GF3 on a wood pallet. The tests were performed after 7 days of curing and were repeated twice, on 3 different locations. Temperature was 20 degrees Celsius. Relative humidity was 50%.

Paver dimensions 60 mm x130 mm x (130-160-185-215 mm)



**B. Compressive & flexural strength**

Product	7 day compressive strength		7 days flexural strength	
	(PSI)	(N/mm <sup>2</sup> )	(PSI)	(N/mm <sup>2</sup> )
Gator Nitro-X Sand Black	1102	7.6	572	3.9
Gator Nitro-X Sand GunMetal	938	6.5	522	3.6
Gator Nitro-X Sand Taupe	1470	10.1	860	5.9
Gator Nitro-X Sand Vanilla	926	6.4	485	3.3
Gator Nitro-X Sand Platinum	1086	7.5	434	3.0

Test Method used : BS EN 13892-2 Determination of flexural & compressive strength.



**GATOR NITRO-X FINE JOINT SAND**

TDS Revision Date (dd/mm/yyyy): 05/02/2026

**GATOR NITRO-X PERMEABILITY, COMPRESSIVE, STRUCTURAL AND CHEMICAL TESTING RESULTS. (CONT.)**

**C. Chemical resistance**

Product	Sodium Hypochlorite 4% slt (Bleach)	Calcium Chloride 50% slt (De-icing salt)
	7 days immersion	7 days immersion
Gator Nitro-X Sand Black	No effect	No effect
Gator Nitro-X Sand GunMetal	No effect	No effect
Gator Nitro-X Sand Taupe	No effect	No effect
Gator Nitro-X Sand Vanilla	No effect	No effect
Gator Nitro-X Sand Platinum	No effect	No effect

The purpose of these tests was to evaluate if the joints made of Gator Nitro-X Sand would deteriorate in contact with swimming pool chlorine or de-icing salt in winter. After 7 days of total immersion, no deterioration of the products was observed. A very long period (several months) would probably have an effect similar to what we would be observed on outdoor porcelain tiles, porcelain pavers and porcelain slabs and the concrete pavers and slabs, natural or wet cast stone.

Packaging:	Product	Size	Units per Pallet
	<b>GATOR NITRO-X FINE JOINT SAND - BLACK</b>	27.5 lb (12.5 kg)	48
	<b>GATOR NITRO-X FINE JOINT SAND - GUNMETAL</b>	27.5 lb (12.5 kg)	48
	<b>GATOR NITRO-X FINE JOINT SAND - TAUPE</b>	27.5 lb (12.5 kg)	48
	<b>GATOR NITRO-X FINE JOINT SAND - PLATINUM</b>	27.5 lb (12.5 kg)	48
	<b>GATOR NITRO-X FINE JOINT SAND - VANILLA</b>	27.5 lb (12.5 kg)	48

**5-YEAR LIMITED WARRANTY**

Before applying the product, the user/buyer must determine its suitability for intended use and user/buyer assumes all risks in that regard. It is a condition of the Limited Warranty that before using the product on the intended larger area, the user/ buyer must test the product on a small less observed area of approximately 4 sq. ft. (0.4 sq. m.) to ensure results meet user/buyer's expectations. In the event that no test is carried out, the 5-year Limited Warranty will only apply to 4 sq. ft. (0.4 sq. m.). Alliance Designer Products Inc. cannot guarantee results as it has no control over surface preparation and product application. If this product is proven to be defective, on the condition that it was applied pursuant to the required method of application and surface preparation, the sole obligation Alliance Designer Products Inc. is to refund the purchase price. Proof of purchase is required for any claim. Alliance Designer Products Inc. shall not be liable for any other damages whatsoever, direct or consequential. To the extent permitted by law, Alliance Designer Products Inc. excludes any implied warranty of quality, merchantability or fitness for purpose

**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. ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for use of any GATOR NITRO-X for any installation not installed to manufacturer's specifications.

**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 GATOR NITRO-X for any installation not installed to manufacturer's specifications. Alliance Designer Products shall not be liable for any non-compliant use.

**5 YEAR  
LIMITED WARRANTY**



Alliance Designer Products Inc.  
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 Tel.: 450 624-1611 Fax : 450 624-1622 Toll free : 1 866-212-1611  
[www.alliancegator.com](http://www.alliancegator.com) - Email : info@alliancegator.com



**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): 06/05/2025

# TECHNICAL DATA SHEET

**Update:** May 6, 2025  
 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.

**Ideal for :**

- Residential and commercial use
- Traditional applications and overlay applications
- Concrete pavers, natural stone, wet cast products and clay pavers
- Streetscape, commercial work, steep slope, pool areas, patios, walkways, driveways and parking areas

**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.
- 15 Year limited warranty

**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.



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**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): 06/05/2025

**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)
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.

**IMPORTANT INSTALLATION NOTES FOR G2**

- A Always refer to the latest **GATOR MAXX G2 Technical Data Sheet (TDS)** at [AllianceGator.com](http://AllianceGator.com) before installing **GATOR MAXX G2**.
- B Pavers and slabs must be installed according to [ICPI Tech Spec #2](http://www.icpi.org) 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)

1/8" (3mm)

**PAVERS OR NATURAL STONES WITHOUT CHAMFER**

1/8" (3mm)

**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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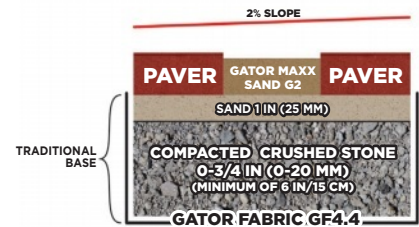
**GATOR MAXX SAND G2  
FOR PAVER & NATURAL STONE JOINTS  
UP TO 4" (10 CM) FOR TRADITIONAL APPLICATIONS  
& 2" (5 CM) FOR OVERLAY APPLICATIONS**  
TDS Revision Date (dd/mm/yyyy): 06/05/2025

### 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:

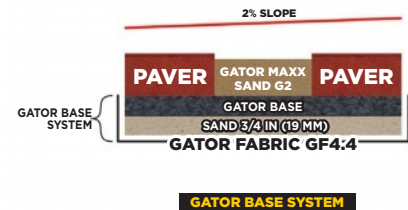
- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface without chamfer or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 4" (10 cm)
- Minimum depth of joint 1 1/2" (38 mm)
- Layer of bedding 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 as a bedding layer.

#### 2 Gator Base system:

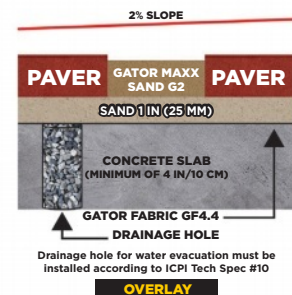
- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface without chamfer or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 4" (10 cm)
- Minimum depth of joint 1 1/2" (38 mm)
- [Gator Base](#) 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 without chamfer 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:**

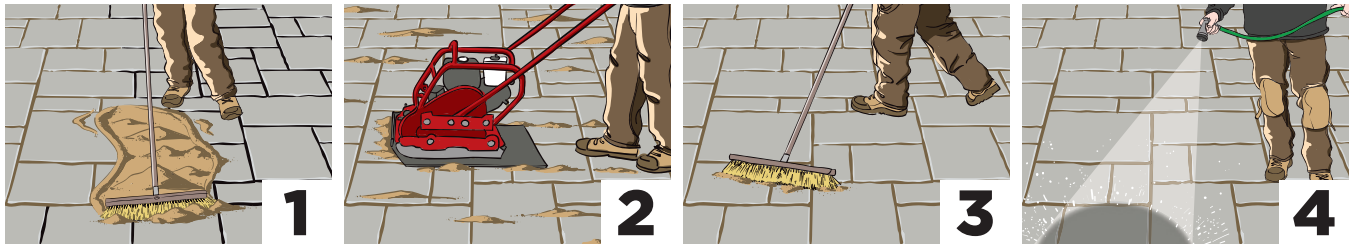
- A minimum 2% top surface slope for proper water runoff
- **GATOR MAXX G2** level, must be at least 1/8" (3 mm) below top of paver's surface without chamfer or 1/8" (3 mm) below the chamfer
- Minimum joint width 1/8" (3 mm), Maximum 2" (5 cm)
- Minimum depth of joint 1-1/2" (38 mm)
- Layer of bedding 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 0-3/4" (0-20 mm) 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 without chamfer 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 without chamfer 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.



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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 without chamfer 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	<b>Compliant</b>	<b>Compliant</b>	
Penetration resistance	ISO 1920-14	ASTM C-403	7 days	N/mm <sup>2</sup> (PSI)	<b>1,8 (250)</b>	<b>2,6 (370)</b>	
			28 days		<b>19 (2760)</b>	<b>39 (5630)</b>	
Water Absorption	BS EN 12808-5	ASTM D-1403	28 days	g (g/100cm <sup>2</sup> )			
	30 minutes				30 minutes	<b>0,15 (1,0)</b>	<b>0,23 (1,4)</b>
	4 hours				4 hours	<b>0,31 (2,0)</b>	<b>0,43 (2,7)</b>
Erosion resistance	ISO 19392-3	ASTM D-7538	15 minutes	erosion %	<b>&lt;5</b>	<b>5</b>	
Flexural strenght	BS EN 13892-2	ASTM C-348	7 days	N/mm <sup>2</sup> (PSI)	<b>0,6 (80)</b>	<b>0,9 (130)</b>	
			28 days		<b>2,4 (350)</b>	<b>3,5 (510)</b>	
Compressive strenght	BS EN 13892-2	ASTM C-109	7 days	N/mm <sup>2</sup> (PSI)	<b>1,1 (160)</b>	<b>2,3 (340)</b>	
			28 days		<b>8,7 (1260)</b>	<b>11 (1600)</b>	

\* Will vary depending on the color of the sand

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



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**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) (minimum of 6 inches (15 cm)), bedding sand layer (maximum of 1 inch (25 mm)) and appropriate installation of reinforced edging 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 GATOR MAXX G2 for any installation not installed to manufacturer's specifications and [ICPI Tech Spec #2](#) and [#10](#).

**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.

ALLIANCE DESIGNER PRODUCTS INC. excludes any responsibility for use of any Gator Polymeric Sand for any installation not installed to manufacturer's specifications and [ICPI Tech Spec #2](#) and [#10](#).

**15 YEAR  
LIMITED WARRANTY**



**NO DUST • HAZE FREE • NO BLOWER • ONE WATERING  
RAIN SAFE AFTER 15 MINUTES**



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