



**GATOR BASE  
FOR PEDESTRIAN USE ONLY**

TDS Revision Date (dd/mm/yyyy): 04/11/2020



# TECHNICAL DATA SHEET

**Update:** November 4, 2020  
 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 BASE** is an evolution in base technology saving you time, labor and money for pedestrian applications. Designed with a tongue and groove system **GATOR BASE** is easy to install. Evacuating water through its channels **GATOR BASE** is equivalent to 288 lb (130 kg) of crushed stone, saving you 6 in (15 cm) of extra excavation. **GATOR BASE** is manufactured using lightweight high-density polypropylene and is environment-friendly and 100% recyclable. Extremely durable, **GATOR BASE** will not degrade in the ground.

<b>Material Type</b>	Expanded Polypropylene (EPP)	
<b>Material Thickness</b>	0.75 in (19mm)	
<b>Material Density</b>	3.43 lb / cubic ft (55 grams / liter)	
<b>Part Format</b>	Edge Interlocking Tongue & Groove	
<b>Part Size</b>	6 sq ft per panel paver bearing surface	
<b>Part Dimensions</b>	Overall usable surface dimensions: 5.79 sq ft	
<b>Part Weight</b>	1.32 lb per panel	
<b>Tensile Strength</b>	101.5 psi	ISO 1798
<b>Tensile Elongation</b>	11%	ISO 1798
<b>Vertical Permeability</b>	>100 inches / hour	EN 12616
<b>Thermal Expansion</b> Per 1°C change	0.003 in / ft	ISO 4897
<b>Compression Set-Static load</b> (50% strain, 22hrs. 23°C after 24 hrs)	38%	ISO 1856c
<b>Thermal Resistance</b> R Value (per inch thickness)	3.6 per in	
<b>Microbiological / Chemical Resistance</b> Chemical resistance	No detrimental effects	

**Thermal Properties:**

<b>Thermal conductivity</b>	0.264 BTU-in/hr-ft <sup>2</sup> -°F	DIN 52612
<b>Melting point</b>	248-356°F	
<b>Decomposition Temperature</b>	>= 356°F	
<b>Flash point</b>	>= 392°F	ASTM D1929
<b>Ignition temperature</b>	>360°C	ASTM D1929
<b>Dimensional stability at heat</b>	<2%	Linear size alterations after 4 d, 110°C; DIN ISO 2796

- Ideal For:**
- Use for small or large pedestrian projects such as :**
    - Patio, sidewalk, walkways, pool surrounding, terraces and more.
  - Difficult to access areas**
    - Hills, limited access areas.
    - Stairs.
    - Tight work spaces.
    - Narrow alleys.
  - Limited budget**
    - Saves time and money.
    - 50% savings in materials removal
    - Higher profit margins
    - Saving expensive costs of material disposal
  - Where construction speed is critical**
    - Easy to use, install and transport.
    - No industrial equipment needed.
    - Minimum 20% savings in labor costs.
  - Restricted construction zones**
    - Where material storage is prohibited in streets.
    - Save costly dumping fees.



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### **INSTALLATION INSTRUCTIONS:**

Please follow ICPI Tech Specs 2 & 9 for compaction regulations.

#### **STEP 1 Excavation of the new Gator Base area**

Total excavation will be done as follows - Total depth will be determined by adding the following elements depths: Gator Fabric GF 4.4, compacted sand's final height (1/2" [13 mm]), Gator Base (3/4" [19 mm]), and height of paver, slab, stone, or porcelain tile. Total excavation width should be 6" (15 cm) wider on each side than the final paved area. This excavation could be done using a shovel or excavator. Prior to excavating, check with local utility services to ensure digging does not damage underground pipes or wires.

#### **STEP 2 Levelling and compacting of the base**

**A** Once excavation is completed, level the excavated area using a rake or shovel. Ensure a slope of at least 1 degree away from any structure, such as a house. **B** The native soil needs to be prepared and compacted in the same way that one would prepare a traditional base installation, using a hand tamper or plate compactor. This area should be as smooth as possible to get rid of high or low spots within about 3/8" (10 mm). Using a string level (stakes and a string line), tie the string to the stakes to establish level according to which the final slope will be measured (minimum of 1 degree to the desired final paver level). Once the final level is achieved, proceed to step 3.

#### **STEP 3 Addition of Gator Fabric GF 4.4, levelling and compacted sand**

**A** Lay down the Gator Fabric GF 4.4 and cover the complete excavated area. **B** Spread an even layer of sand to a depth of 3/4" (19 mm) over the Gator Fabric GF4.4. The use of ASTM No.9 stone is also accepted method of installation. To obtain a perfect 3/4" (19 mm) bedding layer, use two 3/4" (19 mm) pipes with an equal distance of 4 to 6 ft (1.22 to 1.83 m) over the Gator Fabric GF 4.4 and fill the surrounding area with sand. Using a straight board, level the sand relatively to the pipes. When removing the pipes, fill in the empty gaps. Remember that levelling and compacting the sand will be the last step prior to installing the Gator Base. **C** Shower the complete sand area to aid into the compaction step. Using a hand compactor and/or plate compactor, compact the 3/4" (19 mm) of sand until you obtain a final height of 1/2" (13 mm) of compacted sand. The final area should be smooth.

#### **STEP 4 Installation of the Gator Base**

Make sure to install the Gator Base on the extended excavation area (total excavation should be 6" [15 cm] wider on each side than the final paved area). Start laying the Gator Base units while ensuring locking of the tongue & groove system. This will guarantee the panels' stability when the pavers or slabs are laid down. Trim any visible curves or protruding angles using a utility knife.

#### **STEP 5 Installation of pavers and Gator Edge**

Lay the pavers directly onto the Gator Base according to the selected pattern. (Adding a second layer 1/2" (13 mm) of loose bedding sand C-33 on top of the Gator Base is also an accepted method of installation.) Use a rubber mallet to adjust the pavers. Make sure the Gator Base is 6" (15 cm) wider on each side than the paved surface. Install Gator Edge on the Gator Base, making sure it rests firmly against the pavers. A Gator Base Screw will be driven into every second hole to maximize lateral support of the Gator Edge.

#### **STEP 6 GATOR MAXX G2 Installation steps (for a new paver surface)**

**A** Spread GATOR MAXX G2 with hard-bristle broom. Make sure the GATOR MAXX G2 completely fills the joints. Do not use 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. **B** 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 should be filled up to 1/8 inch (3 mm) below the top of the stone or 1/8" (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. **C** 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 the polymeric sand at least 1/8 inch (3 mm) below the top of the stone or 1/8" (3 mm) below the chamfer of the paver. **D** Activate GATOR MAXX G2 by showering 30 sq.ft. (3 sq.m.) section for 30 seconds, starting at the lowest point. Once all the sections are activated, rinse off any debris that is on the total paver surface.

#### **GATOR MAXX G2 Installation (for an existing paver surface)**

When using GATOR MAXX G2 to replace existing jointing materials, old jointing materials need to be completely cleaned out of the joints and pavers completely dry before installing GATOR MAXX G2. Follow steps A to D of GATOR MAXX G2 installation steps for a new paver surface.



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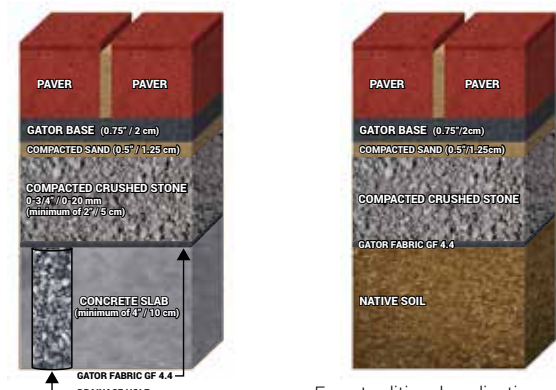
For all of the scenarios shown in these diagrams below:  
The pavers' or natural stones' height (1 1/8 in to 3 1/8 in [2.8 to 8 cm]) will determine the total excavation depth.



(Adding a second layer 1/2 in (13 mm) of loose bedding sand C-33 on top of the Gator Base is also an accepted method of installation.)

- Advantages:**
- Save 6 in (15 cm) of extra excavation.
  - Save 6 in (15 cm) of compacted crushed stone.
  - Save cost of truck and driver on the road.
  - Avoid costly dumping fees.
  - Reduce labor costs.
  - Reduce wear and tear on machinery.
  - Reduce overall installation time.
  - Increase profit.

**Please Note:** • For pedestrian use only.



Drainage hole for water evacuation must be installed according to ICPI Tech Spec #10

Overlay application over a concrete base, crushed stone will be used to raise the final level.

For a traditional application over a compacted soil and a Gator Fabric GF4.4, crushed stone will be used to raise the final level.

**Coverage Per Gator Base Unit:**

<b>Total area</b>	24,25 in x 36,25 in = 6,1 sq.ft. / 61,5 cm x 92 cm = 0,57 m <sup>2</sup>
<b>Usable surface</b>	23,5 in x 35,5 in = 5,79 sq.ft. / 59,5 cm x 90 cm = 0,54 m <sup>2</sup>



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Packaging:	Product	Size	Units per Pack	Units per Pallet
	GATOR BASE	24 in x 36 in	10	120

**WARRANTY:**

ALLIANCE DESIGNER PRODUCTS INC. cannot guarantee results as it has no control over surface and sub-surface preparation and product application. ALLIANCE DESIGNER PRODUCTS INC. 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 ALLIANCE DESIGNER PRODUCTS INC. 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 ALLIANCE DESIGNER PRODUCTS INC. IN ALL EVENTS, ALLIANCE DESIGNER PRODUCTS INC., SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES OR COSTS, DIRECT OR CONSEQUENTIAL. TO THE EXTENT PERMITTED BY LAW, ALLIANCE DESIGNER PRODUCTS INC., EXCLUDES ANY IMPLIED WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR PURPOSE.



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