



**GATOR BASE**  
**FOR PEDESTRIAN USE ONLY**  
 TDS Revision Date (dd/mm/yyyy): 01/04/2014



## Technical Data Sheet

### UPDATE:

April 1, 2014  
 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 240 lbs (109 kg) of crushed stone, saving you 5 in (13 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>	0.75in (19mm)	
<b>Material Density</b>	3.43 lbs / 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>	1.5 lbs 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)	3.8 per in	
<b>Microbiological / Chemical Resistance</b> Chemical resistance	No detrimental effects	

### IDEAL FOR:

#### Difficult to access areas

- Hills.
- Limited access areas.
- Stairs.
- Tight work spaces.
- Narrow alleys.

#### Restricted construction zones

- Where material storage is prohibited in streets.

#### Where construction speed is critical

- Easy to use, install and transport.
- No industrial equipment needed.
- 25% savings in labor costs.

#### Limited budget

- Saves time and money.
- 50% savings in materials removal.
- Higher profit margins.
- Saving expensive costs of material disposal.

### ADVANTAGES:

- Save 5 in (13 cm) of extra excavation.
- Save 5 in (13 cm) of compacted crushed stone.
- Save cost of truck and driver on the road.
- Save costly dumping fees.
- Reduce wear and tear on machinery.
- Reduce labor costs.
- Reduce overall installation time.
- Increase profit.

*Quality is our Strength*



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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 together the following elements' depths: Geo-fabric, compacted bedding sand's final height (1/2 in [13 mm]), Gator base (3/4 in [19 mm]), and paver's height. • Total excavation should be 6 in (15 cm) wider than the final paved area. This excavation could be done using a shovel or small mini-excavator, which can easily go through narrow passages. • 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 in (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 Geo-Fabric and Compacted Bedding Sand

(A) • Lay down the geo-fabric and cover the complete excavated area. (B) • Spread an even layer of sand to a depth of 3/4 in (19 mm) over the geo-fabric. • To obtain a perfect 3/4-in (19 mm) bedding layer, use two 3/4-in (19 mm) pipes with an equal distance of 4 to 6 ft (1.22 to 1.83 m) over the geo-fabric and fill the surrounding area with sand. Using a straight board, level the bedding sand relatively to the pipes. • When removing the pipes, fill in the empty gaps. • Remember that levelling and compacting the bedding sand will be the last step prior to installing the Gator base. (C) • Using a hand compactor and/or plate compactor, compact the 3/4 in (19 mm) of bedding sand until you obtain a final height of 1/2 in (13 mm) of compacted bedding 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 in [15 cm] wider on each side than the final paved area). • Start laying the Gator Base units according to a staggered pattern 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.

It is recommended to create a path with pieces of plywood in order to avoid displacing or damaging the Gator Base. • Lay the pavers directly onto the Gator Base according to the selected pattern. • **(Adding a second layer 1/2 in (13 mm) of loose bedding sand 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 in (15 cm) wider than the paved surface. Install Gator Edge on the Gator Base, making sure that it rests firmly against the pavers. A nail will be driven into every second hole to maximize lateral support of the Gator Edge.

### STEP 6 • Sweeping, Compacting and Blowing of the Gator Maxx Polymeric Sand

(A) • When emptying the bag of polymeric sand, spread it onto the dry, paved surface. This will avoid separation and sweeping a mountain of sand. • When sweeping the polymeric sand, spread over a small area before moving onto the next, while making sure to fill in the joints. (B) • It is now time to compact the sand into the joints using a hand tamper or plate compactor. Do not use a plate compactor over slabs. Repeat filling and compacting of the paver joints. Finally, sweep the surface with a fine bristle broom and remove all excess sand. • Ensure the sand is 1/8 in (3 mm) lower than the paver chamfers. (C) • Finally, use a blower to blow off all sand residue laying on the paved surface. • The combined actions of the sweeping and blowing will help eliminate any hazing effect. • Avoid callbacks! • Alliance Gator is the only manufacturer that offers a 10-year limited warranty on all its polymeric sand.

### STEP 7 • Watering and Blowing Action

The watering process will activate the polymeric sand's bonding process, and the sand will harden when dry. (A) • Set your water spray to "mist," and from a height of 4 ft (1.22 m), spray the paved surface for 10 to 15 seconds then wait 3 to 4 minutes. (N.B. Ensure the paved surface does not dry between waterings) (B) • From a height of 2 to 4 ft (0.60 to 1.22 m), mist and rinse the paved surface and wait 3 to 4 minutes before repeating the mist-and-rinse process for a third and final time. However, stop misting (ALERT) when you see a minimal amount of water retention on the paver joints. • If the work is being done on a hot summer day, avoid spraying large areas, as they will dry up faster. (C) • Finally, use a blower to remove any excess water lying on the paved surface. Again, this process eliminates any potential hazing effect. • Carefully following these installation steps guarantees elimination of any callbacks, and increases referrals.

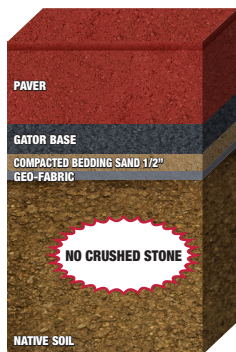


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### PAVER APPLICATIONS

**GATOR BASE WAY**  
**REPLACES 5 IN OF CRUSHED STONE**



**TRADITIONAL WAY**  
**COSTLY EXCAVATION, FILL & DUMPING FEES**

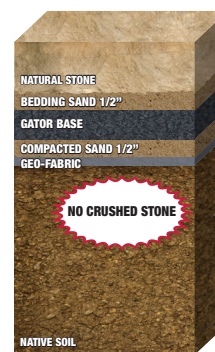


- (Adding a second layer 1/2 in (13 mm) of loose bedding sand on top of the Gator Base is also an accepted method of installation.)

### NATURAL STONE APPLICATIONS

**GATOR BASE WAY**

**TRADITIONAL WAY**



\*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.

PLEASE NOTE: • For pedestrian use only.

### COVERAGE PER GATOR BASE UNIT:

**Total area** 24 in x 36 in = 6 ft sq / 60 x 90 cm = 0.54 m sq

**Usable surface** 23.5 in x 35.5 in = 5.79 ft sq / 0.59 m x 0.9 m = 0.53 m sq

### 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.