



EnviroGrid Paver

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The EnviroGrid Paver creates a porous stable surface that will help you comply with new stormwater management regulations. The use of the EnviroGrid Paver reduces runoff volumes and helps protect and conserve natural areas.

Expandable high density polyethylene cells are filled with top soil and seeded/sod or filled with aggregate depending on site requirements.

ADVANTAGES

- The use of the pervious EnviroGrid Paver reduces the size of retention/detention pond areas.
- Decreases maintenance and repair costs by 40 to 50% over asphalt surfaces.
- The three dimensional cell opening of the EnviroGrid Paver is 68% smaller than any cellular confinement material available in the market.
- EnviroGrid Paver individual cell expansion is that of 5.75" x 5" or 14.4 in² (92.9 cm²).
- A full panel of the EnviroGrid Paver expands to 4.8' (1.46 m) by 12.08' (3.68 m) or 58 SF (5.4 m²). The large panel expansion increases the typical installation rates over competing hard plastic paver products.
- Flexible high density polyethylene eliminates breakage of material during shipping and installation.
- Panels are easily cut in the field with a utility knife to fit around trees, plants or structures.
- EnviroGrid Paver panels ship collapsed so they are easy to ship and easy to store.
- A 7' x 3.5' x 3' pallet holds up to 5,800 square feet of material depending on cell height.

APPLICATIONS

- Fire Lanes
- Driveways
- Overflow Parking
- RV Pads
- Sports Fields
- Utility Access
- Roof Gardens
- Beach Access
- Emergency Access
- Cart Paths

- Parking Lots
- Wet Land Crossings
- Bike Trails
- Horse Trails
- Nature Trails
- Service Roads
- Loading Docks

SPECIFICATIONS

- Flexible UV stabilized 50 mil High Density Polyethylene
- Colors available for custom orders
- Material is ultrasonically welded
- Each panel expands to 58 square feet (4.8' x 12.08')
- Individual cell dimension of 5.75" x 5"
- Nominal expanded cell size of 14.4 in²
- Cell heights of 2", 3", 4" and 5"
- Weight per panel for the 2" cell depth is 16.5 pounds, 3" cell depth is 24.75 pounds, 4" cell depth is 33 pounds and 5" cell depth is 41.25 pounds.
- Collapsed panel dimension of 82" x 5" x cell height
- Quality system ISO 9001:2000 certified

INSTALLATION PROCEDURES

A two to four man crew of semi-skilled labor without specialized equipment can install the EnviroGrid Pavers quickly and easily. Sections are shipped to the jobsite in collapsed form, measuring 82" x 5" x the cell height.

1. If required, excavate and shape the subgrade soil to the elevations, grades, and dimensions as shown on the drawings.
2. If the infill material is different from the sub-base material, a geotextile should be used as a separator. A woven or nonwoven fabric is selected depending on whether strength or permeability is important. Simply unroll the geotextile directly on the prepared subgrade, overlapping adjacent panels by 18" (minimum).

3. Determine where the first section of the EnviroGrid Paver is to be placed and put stakes at the four corners.
4. Stretch a section beyond its intended length and then allow it to relax. Place the section over the embedded stakes. Additional stakes may be needed along the perimeter in order to get full expansion of each panel. In situations where it is not practical to use stakes (over rocky soil, geomembrane, etc.) an installation frame may be used. Adjacent sections are installed in a similar fashion and butted or stapled together to achieve continuous coverage.
5. Fill the first rows of cells with a front-end loader or dump truck and push the fill into the cells using shovels or a bulldozer blade. A ramp of fill material immediately adjacent to the EnviroGrid Paver will likely be necessary to allow equipment to climb onto the EnviroGrid Paver. Continue until all cells are filled. Never allow any equipment to drive over unfilled cells. Always overfill the cells slightly to allow for consolidation.
6. Next, it is necessary to compact the system. The most common method of compacting is through multiple passes by the tracked equipment used to spread the infill. A vibrating roller and/or water may be required to achieve the specified level of compaction.
7. Once the cells are filled and the system is compacted, the EnviroGrid Paver base is ready to withstand the traffic loads as specified.