



GEOCELL

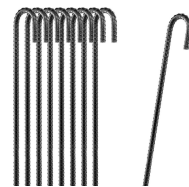
SOIL STABILIZATION GRID

8.4ft x 27.4ft

AVAILABLE IN 2", 3", 4", 6" AND 8" DEPTHS
COVERS APPROXIMATELY 230 SQ FT

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Agtec LLC, 125 Mayo Road, Hampden Maine 04444

Full line of installation accessories available at www.agtec.com



Woven and Non-Woven Geotextiles • Zip Ties • Steel Anchor Pins
Slope Strapping • J-Hook Rebar Stakes • Rebar Stake Caps

Installation Guide



Prepare Subgrade

Clear subgrade of rocks, vegetation, and other debris. For sloped surface applications shape the slope and dig perimeter trenches and a trench at the top of the slope. Drain water from site, especially for channel installations. Compact the soil. For paved surface, railroad bed, and structural footing applications additional site grading or shaping may be necessary. The type and extent of subgrade preparation will vary depending on the nature of the subsoil.



Lay Geotextile

High-strength woven and nonwoven geotextiles lend additional drainage and stability to Geocell installations. Geotextiles are often recommended and sometimes required depending on the application. They are especially useful when installing over softer or compressible subsoils. Lay agricultural fabric or geotextile such as Agtec 3oz Ground Cover or Agtec 4.5oz Drainage and Filtration Fabric onto prepared subgrade surface. Allow for adequate overlap in fabric panels when using overlapping panel joints. On slope applications, run geotextiles into the perimeter trenches and secure with appropriate anchor pins or staples.



Secure Geocell

Unfold Geocell and secure to other panels with zip ties, bolts or pneumatic plier staples to fasten them together. Geocell can be stretched evenly and used in square applications or fanned to fit into curved areas. Panels can be cut with a hand saw or reciprocating saw to fit the required dimensions if needed.

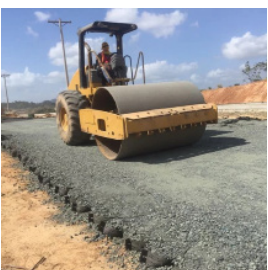
Panels may be secured in place with J-hooks or rebar stakes. Rebar stakes can be attached to the edge of a panel by use of the Agtec rebar stake cap. When installing on a slope or channel, panels may be secured by running Agtec Geocell slope strapping through the slots on the walls of the geocell and secured at points throughout the panel or attached to an anchor at the crest of a slope. Be sure to start at the crest of the slope when unfolding the panels and work downwards running the edges of the panels into perimeter trenches. Certain underwater and cold climate applications may require the use of a stretcher frame while filling.



Fill Cells

Fill perimeter cells to help secure in place. We recommend using 3/8" (preferred) or 3/4" compacting gravel for roadway or driveway installations. Use compacting gravel (not rounded gravel) to avoid a potential "quicksand effect" that may push panels out of the ground. Compacting gravel includes: crushed rock or limestone, crushed stone, crusher run, fines, stone dust, aggregate, road base, paver base and decomposed granite (mixed with sand or stone dust).

Fill the rest of the openings within the Geocell by hand or machine (backhoe, front-end loader, conveyor, crane-mounted skip, mixer chute, etc). Limit drop-height of infill to 3ft. Overfill cells at least 2 in above the cell walls before compacting. This overfill is required to allow for compacting of the material. When filling a slope fill from the crest of the slope to the base.



Finish Installation

Remove any protruding rebar after installation. Aggregate may be compacted when enough overflow material is used. Fill material should be flush with the top of the cells at the completion of compaction in a slope or channel installation. Any loose aggregate must be maintained on a regular basis.