



## BIAXIAL GEOGRIDS

### TECHNICAL NOTE

*This technical note deals with the use of a Biaxial Geogrid layer above Eco-Rain Tank structures.*

Eco-Rain Tank Systems recommends the use of one layer Biaxial Geogrid 12 inches below sub-grade in vehicular traffic applications with two to four feet cover. A second layer of Biaxial Geogrid may be used when cover exceeds four feet.

This recommendation is based on increasing the safety factor due to possible lack of compaction during backfill - the Geogrid will create a “bridge” in weak soil areas.

Overlap the Geogrid at least 3 feet beyond the perimeter of the Eco-Rain Tank structure. Place 2 inches of gravel under and over the Geogrid - this will secure the Geogrid in place with the required tension for proper functioning. Pin the Geogrid to the undisturbed side walls.

Alternately, a layer of Eco-Rain 1” or 2” Drainage Cells can be used instead of the Biaxial Geogrid to provide more strength and disbursement of load. A layer of Eco-Rain 2” Drainage Cells withstands 405 psi loading, Eco-Rain 1” Cells withstand 306 psi loading. Install as above.

While Eco-Rain Tank Systems recommends the use of Biaxial Geogrid or Eco-Rain Drainage Cells in vehicular traffic applications like parking lots, it is the Engineer’s decision to specify its use. Installers must follow the Engineer’s specification.

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