

TERRAM Geocell erosion control



TERRAM Geocell is a relatively shallow cellular confinement system which is used to combat erosion on slopes up to 1:1.

TERRAM Geocell is fabricated using a geotextile so it is permeable and allows water to flow between cells encouraging drainage and vegetation. It is supplied as compact man-handleable panels ready to be expanded on site to 5m x 7m or 6m x 3m areas with a honeycomb of diamond-shaped cells that are 100mm, 150mm or 200mm deep.

Once placed and secured on the slope, the geocell can be filled with soil or a mineral fill. The result is that the confined fill is able to better resist the erosive effects of wind and run-off. The expanded panels should be fixed at every perimeter cell and at 1m centres throughout using steel fixing pins.

The geocell is flexible enough to be formed around trees and other obstacles.

Seeded topsoil is the most suitable fill for less-exposed slopes, with small shrubs offering improved protection, whilst a granular material offers the highest protection.

The TERRAM Geocell confinement system is suitable for:

- Cut or fill embankments.
- Dams or spillways.
- Revetments.
- Abutment protection.
- Geomembrane protection.
- Soil-nailing cover.
- Landfill capping.

Panel Grade	22/20	25/10	25/15	35/10	35/15
Cell Nominal Diameter mm	220	250	250	350	350
Cell Length (L) mm	275	295	295	415	415
Cell Width (W) mm	230	250	250	370	370
Cell Depth mm	200	100	150	100	150
Panel Length mm	6176	5175	5175	5199	5199
Panel Width mm	3227	7300	7300	7438	7438
Panel Weight kg	20	17	25	11	17
Cells per m ² (nominal)	30	26	26	12	12

TERRAM product specifications can be downloaded freely from www.terram.com

