

GEOTRAX™ GC 75/100/150/200

An expandable cellular confinement system.



An expandable cellular confinement system that can be filled with sand, soil, gravel or other site materials for use in the construction of three dimensional load spreading or containment systems.

This product is constructed from 1.6mm perforated and textured HDPE and is available in 75mm, 100mm, 150mm and 200mm deep variants.

GeoTrax™ GC works by confining the infill material and ensuring that the downward forces from traffic are spread laterally, thereby greatly reducing the pressure on the sub-base by distributing the load over a wider area.

APPLICATIONS

- Tree root protection
- Erosion control
- Retaining structures
- Temporary or permanent track and compound construction
- Load distribution projects

The cells arrive flat packed on pallets and are expanded on-site to form a honeycomb-like structure. The supplied steel pins and plastic caps are used to hold the cells open prior to filling. For erosion control and bank stabilisation or other applications on sloping ground, our CellGrip fixings should be used for improved performance (up to 9 times the pull out force versus rebar pins). CellGrip fixings are simply clipped through the existing perforations in the side wall of the cells and fixed down with TerraLock pins. Adjacent panels are connected with plastic connectors (29 connectors are included with each panel).



TECHNICAL SPECIFICATION

Panel Size (Expanded):

2.71m x 7.41m (20m²)

Cell Depth Options:

75mm, 100mm, 150mm, 200mm

Colour:

Black

Cell Size:

224mm x 259mm

Material:

1.6mm HDPE

Cell Wall:

Perforated and Textured

Seam Weld Strength:

75mm deep cells - 900N

100mm deep cells - 1200N

150mm deep cells - 1800N

200mm deep cells - 2400N

Tensile Strength:

Longitudinal - 18.4 MPa

Transverse - 19.5 MPa

Stress Crack Resistance:

> 3000 hours

Panel Weight:

75mm - 18.0kg

100mm deep - 24.5kg

150mm deep - 36.0kg

200mm deep - 48.5kg

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