

Installation Guide

GeoGrid Cellular Paving System is an innovative ground reinforcement and stabilization product for use in the permanent reinforcing of soft ground for the movement or parking of vehicles and for stabilizing soft earth banks. GeoGrid is a modular, open design grid tile, manufactured in recycled high-density polyethylene. It is tough, flexible, easy to install and allows natural drainage.

The method of installation is determined by existing ground conditions as well as the end use and weight loading requirements. The methods described below provide general guidance only and do not form part of any contract with the user. We advise that the method of installation should be undertaken in accordance with your designer's specification and drawings and the relevant Health and Safety requirements.

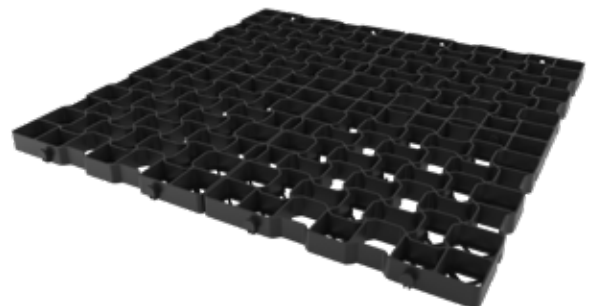
Prior to use, the GeoGrid Pavers should be stored to prevent excessive mud, wet concrete or other damaging materials from coming into contact with and affixing to the GeoGrid.

The grid structure can be filled with different materials such as soils (to support plant or grass establishment) or gravel / aggregates. We recommend that detailed design, specification and installation advice is sought from appropriately qualified civil and structural engineers.



Product Specifications

Material	100% recycled high-density polyethylene (HDPE). Withstands frost and UV radiation.
Load capacity	400 tons/sqm (25 ton point load)
Grid dimensions	19.5" x 19.5" x 1.6" (49.53 cm x 49.53 cm x 1.06 cm)
Wall thickness	0.12" (3 mm)
Weight per grid	2.43 lb (1.10 kg)



⚠ WARNING: This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Grass Infill Installation

1. Existing turf and soil should be removed to a depth of ≥ 2.95 " (75 mm) over the area where GeoGrid is required (with allowance made for edge retaining boards or curbs as required). This formation layer should be levelled and lightly consolidated.
2. Edge retaining boards or curbs should then be installed as required.
3. Place 0.16-0.55" (4-14 mm) diameter gravel or aggregate to a depth of 1.38" (35 mm) spreading evenly over the prepared area.
4. Place the GeoGrid on top of the gravel / aggregate and connect using the interlocking system and progressing over the area in both directions. As an option to ensure a greater degree of stability of the GeoGrid, pins or hoops can be used to pin the GeoGrid into the formation layer. GeoGrid can be cut to shape using a hand or power saw to follow curves or fit around obstacles as required.
5. GeoGrid can then be firmed in place using a light vibrating compaction plate.
6. The GeoGrid cells should then be filled with an appropriate proprietary soil mix material to about 0.20" (5 mm) below the top of the cells. The soil mix material should be suitable to encourage and maintain healthy grass growth. Light compaction is recommended to settle the soil mix.
7. Undertake a seeding, fertilizing and watering program to establish the grass sward, with top dressing as necessary to cover the seed and encourage germination. The Geo Grid cells should not be overfilled.
8. Although the surface may be trafficked straight away, it is advisable to first allow the grass to become established before use.
9. It should be noted that instead of seeding, a thin-cut turf layer can be rolled into the GeoGrid as an alternative method of grass establishment.

Gravel Infill Installation

1. Existing turf and soil should be removed to a depth of ≥ 2.95 " (75 mm) over the area where GeoGrid is required (with allowance made for edge retaining boards or curbs as required). This formation layer should be levelled and lightly consolidated.
2. Edge retaining boards or curbs should then be installed as required.
3. Place a layer of stabilization mesh flat on top of the formation layer using pins to hold in place as necessary. In circumstances where it is necessary to prevent ingress and migration of contaminants a layer of geo textile fabric (of the required specification) can be placed above the formation layer before installation of the stabilization mesh.
4. Place 0.16-0.55" (4-14 mm) diameter gravel or aggregate to a depth of 1.38" (35 mm) spreading evenly over the stabilization mesh ensuring that the mesh is not left exposed.
5. Place the GeoGrid on top of the gravel / aggregate and connect using the interlocking system and progressing over the area in both directions. As an option to ensure a greater degree of stability of the GeoGrid, pins or hoops can be used to pin the GeoGrid into the formation layer. GeoGrid can be cut to shape using a hand or power saw to follow curves or fit around obstacles as required.
6. GeoGrid can then be firmed in place using a light vibrating compaction plate.
7. The GeoGrid cells should then be filled with the specified gravel or aggregate, for example, clean, well-graded angular material within the range 0.24-0.55" (6-14 mm) diameter.
8. Use a light vibrating compaction plate to consolidate the surface.
9. Any low spots can be refilled and compaction repeated until satisfied with final compaction.
10. The surface can be trafficked straight away.