



E'GRID® GT

Pavement Reinforcement

INSTALLATION

1. Subgrade Preparation: E'GRID® GT can be installed directly on undisturbed vegetation e.g. grass and reeds . Any woody plant vegetation such as bushes, shrubs or trees, as well as large rocks or other similar obstacles must first be removed. On very soft ground, cut vegetation flush with the ground to leave the root-zone and soil crust undisturbed. Voids, wheel ruts or other deep depressions should be either filled or leveled to provide a smooth surface.
2. Product Installation: E'GRID® GT can be rolled out and allowed to follow the contours of the ground. Generally the direction of laying and vertical spacing of multiple layers will be specified in the contract or design documents.
3. E'GRID® GT can be placed on the subgrade either parallel to a road center line or at right angles.
4. In the majority of cases use just one layer of geogrid between the compacted fill and the ground below. If multiple layers are required and spacing is not specified they should be evenly spaced through the thickness of fill with spacing not exceeding 500mm.
5. E'GRID® GT should be tensioned by hand to remove slack and to ensure that any mechanical joints are taugt. Small deposits of fill material will generally be required on top of the geogrid at this time to hold it in position until the main fill placement commences. No construction traffic may be allowed to travel directly on the geogrid prior to fill placement.
6. Direction of Placement: Over very soft ground E'GRID® GT the geotextile must be facing down.
7. Product Continuity: To ensure product continuity of E'GRID® GT, simply overlap adjacent layers. Roll edges and ends should have a minimum overlap of 300mm. Over soft or uneven soils these overlaps may require to be increased up to as much as 900mm. Typically, as the ground strength reduces below CBR=4 the overlap should increase to about 500mm at CBR=2 and 900mm at CBR=0.5 or below. Overlaps should be shingled in the direction of fill placement. Care should be taken to ensure that the overlaps are maintained during fill placement. The use of plastic zip-lock ties or steel pins at 0.5-1m spacing can help to hold overlaps in place during fill placement.
8. Cutting to size: Product may be cut to length or width using either snips or a disc cutter.
9. Placement of Cover Fill: Fill material should be end tipped at either the starting edge of the geogrid or on top of already placed fill before being spread to the required depth using a tracked machine. A minimum fill layer thickness over the geogrid of 150mm is recommended prior to any trafficking or compaction. During spreading the bulldozer blade should be angled back to lift fill rather than push it.
10. Fill Selection: A selection of fill types may be used with E'GRID® GT Ideally the use of a graded aggregate is recommended.
11. Fill Compaction: Compaction of the sub-base material should follow in accordance with the appropriate clause of the project specification.



Consult Polyfabrics Australasia or a certified Engineer for site specific installation instructions. Polyfabrics Australasia reserves the right to change its product specification at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.