



TerraMat 3D

Terra Mat 3D is a three dimensional multi-layered product manufactured from polyethylene. It consists of two high tensile base layers of net bonded to three upper layers that form a cusped surface that provides an array of pockets that trap the soil particles and windblown seeds.

Terra Mat 3D were installed gives instant protection against soil erosion caused by wind, rain and flash flooding. Top soil and seed is applied on top of the erosion mat to fill the pockets and allow the grass to grow through the mat. The established vegetation has now a reinforced root system resistant to the forces of erosion. Suitable for slopes up to 1:0.7, with grass or local vegetation surface. Not suitable for use under permanent or seasonal water levels.

Applications: Steep Slopes and embankments, River banks, Lakes and shore lines, Spillways, Canals, Ditches, Golf Courses, Residential lawn areas

Installation:

- Prepare the slope to a smooth surface.
- Roll the material down the slope and fix in position using steel U-pins at intervals of about 250mm to 750mm centres.
- The pins need to be 150mm to 300mm long in firm ground but longer pins will be needed for softer ground.
- On slopes with irregular surface, more fixing pins may be needed to ensure that the mat is in contact with the soil surface.
- Where the edges of the rolls adjoin an overlap of 2cm is advised with out any gap between each edge and fixing pins at 15cm intervals.
- Grass seed should be selected to suit local soil and climate conditions. Can be scattered on top of the TerraMat before the surface soil layer is placed or can be mixed with the soil before its laid on the surface.
- Surface soil layer should completely cover the mat to avoid exposure to UV.
- At the top of the slope a length of 50cm-100cm should be laid as an apron area to act as an anchor to prevent the mat from slipping down the slope.