

3D Geo Mat

TerraShield Geo Mat provides permanent erosion protection by mimicking natural root structures that bind and stabilize soil. Made from polypropylene monofilaments, they promote rapid vegetation growth and offer long-term root support against harsh erosion forces. Ideal for areas where vegetation alone cannot prevent erosion, such as riverbanks, drainage channels, and steep slopes.

Applications

-  Canal & Riverbank Protection
-  Slope Protection
-  Road & Railway Embankments
-  Landfill & Dumpsite Covers
-  Coastal & Shore-line protection
-  Golf courses, parks & landscaping
-  Drainage Channels & Waterways
-  Pipeline & Culvert outlet protection

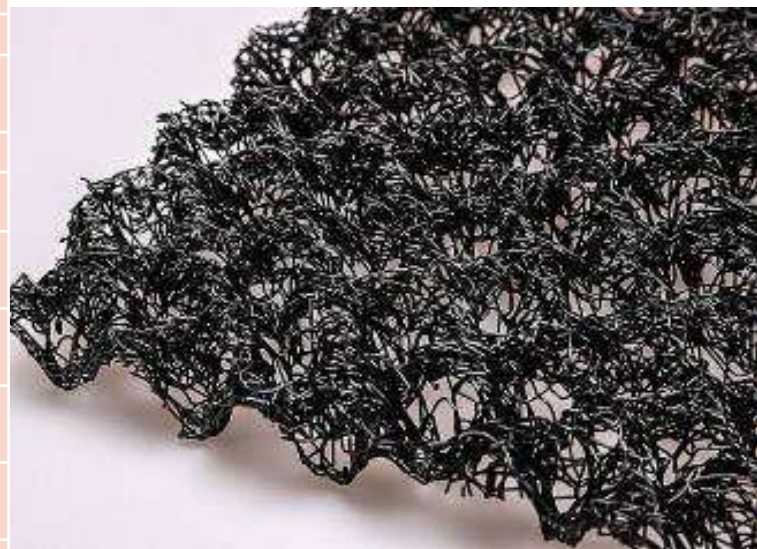
Specifications

GEO MAT - SPECIFICATIONS

PARTICULARS	UNITS	VALUE	MPEV
Three-dimensional polymer core layer	PP		
Porosity	%	≥95%	
Polymer density	kg/m ³	1140	±50
Unit grammage	g/m ²	500	±50
Thickness	mm	17	±3
Tensile strength (transverse)	KN/m	2.2	±0.6
Tensile strength (longitudinal)	KN/m	2	±0.6
Elongation at break (transverse)		>40%	
Elongation at break (longitudinal)		>80%	
Roll Sizes (m)	M	2*25	
Black & UV stabilized			

Features

- A. 3D porous structure that locks soil particles with **steel reinforcement**
- B. Promotes root interlock & vegetation growth
- C. Lightweight & easy to install
- D. UV stabilized & resistant to biological/chemical degradation
- E. Long service life & low maintenance



Specifications

3D GEO MAT SPECIFICATIONS			
PARTICULARS	STANDARD	UNITS	VALUE
Three-dimensional polymer core layer		PP	
Unit grammage	EN ISO 9864 / ASTM D 3776	g/m ²	600
Thickness @2kPa	EN ISO 9863-1 /ASTM D 6525	mm	6.5
Tensile strength (MD/CD)	ASTM D 5035	KN/m	6.0/2.0
Ultraviolet Stability @ 500 Hrs	ASTM D 4355		80%
Roll Sizes (m)		M	2*25
Black & UV stabilised			

