



Turf Reinforcement Matrix

GEOPLUS TRM is manufactured from 100% coir fibre or palm fibre stitched together on both sides with polypropylene nettings. They are biodegradable and supplied in easily handled rolls. The mat is designed to be effective as a soil erosion protection system to non-vegetated soil slopes promoting the establishment of vegetation to the following areas:

FOR EROSION CONTROL:

- Highway and railway verges, medians, embankment and cutting slopes.
- Grassed spillways. River and canal banks.
- Storm water channels. Detention/Retention ponds.
- Golf courses
- Facing for geotextile and geogrid reinforced soil.



The result is an effective and aesthetically vegetated stabilized surface.



K e y F e a t u r e s

- | | |
|--|--|
| <input checked="" type="checkbox"/> SEED PROTECTION
- against wind, rain & birds
Benefit : increases germination rate of seed. | <input checked="" type="checkbox"/> SOIL PROTECTION
- against wind & rain erosion
Benefit : prevents rilling & gullyng. |
| <input checked="" type="checkbox"/> SOIL FERTILIZATION
- increases humus content of soil as organic constituents degree.
Benefit : enhances soil fertility & permeability. | <input checked="" type="checkbox"/> TURF REINFORCEMENT
- against rutting & general wear and tear.
Benefit : enhances durability of turf & stability of soil surfaces. |
| <input checked="" type="checkbox"/> MOISTURE RETENTION
- by capillary storage of water.
Benefit : enhances germination rate of seed & promote vigorous growth. | <input checked="" type="checkbox"/> SOIL & ROOT INSULATION
- against extremes of temperature.
Benefit : provides optimum conditions for seed & early growth of vegetation. |

GEOPLUS ENVIRO SDN. BHD. (246904-M)

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GENERAL SPECIFICATION

Properties	Test Method	Unit	CF-150/ PF-150	CF-250/ PF-250	CF-350/ PF-350	CF-400/ PF-400
Mass per unit	ASTM D5261	g/m ²	135-165	235-265	335-365	385-415
Thickness	ASTM D6525	mm	3.0	5.0	7.0	8.0
Tensile Strength (MD)	ASTM D6524	kN/m	2.0	2.5	3.0	3.0
Elongation at Break (MD)	ASTM D792, Method A	%	>20	>20	>20	>20
Dimensional Properties						
Width	-	m	2.4	2.4	2.4	2.4
Length	-	m	42	42	42	42
Area	-	m ²	100.8	100.8	100.8	100.8
Fibre	-	-	Coir or palm fibre			

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. Except when agreed to in working conditions of use, no warranty expressed or implied is made regarding the performance of any product, since the manner of use and handling is beyond our control. The manufacturer reserves the right to change the data at any time without notice. No warranty is expressed or implied.



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GENERAL SPECIFICATION

Properties	Test Method	Unit	TRM360 CF/PF
Mass per unit	ASTM D5261	g/m ²	360
Thickness	ASTM D6525	Mm	11
Resiliency	ASTM D6524	%	87
Density	ASTM D792, Method A	g/cm ³	0.9
Tensile Strength (MD)	ASTM D4595	kN/m	10
Tensile Strength (CD)	ASTM D4595	kN/m	7
Elongation at Break (MD)	ASTM D4595	%	11
Elongation at Break (CD)	ASTM D4595	%	9
Dimensional Properties			
Width	-	m	2.0
Length	-	m	20 or custom length
Area	-	m ²	40
Fibre	-	-	Coir or palm fibre

Flow Velocities (Short Term)
"n" Value Roughness Coefficient

2.5m/s (estimate)
0.018 (estimate)

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