

Synthetic Fiber Permanent Erosion Control & Turf Reinforcement Mat

CPG 3000 Properties Table Certification

The permanent erosion control TRM to have the following minimum physical properties and test values.

Testing & Properties

Parameter / Method	CPG3000
Netting Size (inches sq.) Top	.50 X .60
Bottom	0.625
Net Weight (lbs./1000 sq. ft.) Top	31.0
Bottom	3.0
Slope Recommendation	1:1 or >
<i>Derived from comparative lab testing and field applications</i>	& Channels
¹ ASTM D6525 (mils) Min. Thickness (inches) Min.	320 0.32
¹ ASTM D5261 (Avg./lbs./ft ²) Min. Mass per Unit Area (Avg./grams/m ²)	.13 937
¹ ASTM D5035 (Avg./lbs./ft.) MD Tensile Strength @ Peak TD	1896 1296
¹ ASTM D5035 (Avg.%) MD Elongation @ Peak TD	12 14
Roughness Coefficient Mannings "n"	0.024
Max. Permissible Shear (lbs./ft ²) Unvegetated Direct Shear Value	10.0

1. Precision Geosynthetic Laboratories

Applications:

Permanent Erosion Control of Slopes and Channels
 Long Term Erosion Protection of Poorly Vegetated Surfaces
 Permanent Turf Reinforcement of Properly Vegetated Surfaces

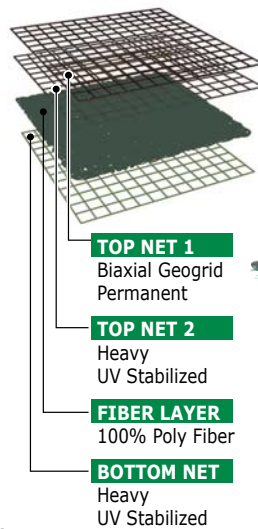
The permanent erosion control turf reinforcement mat to meet the following requirements:

1. To be constructed of 100% UV stabilized polypropylene fibers stitch bonded between a heavy weight UV stabilized bottom net and a heavy weight UV stabilized top net. All overlaid with a permanent heavy-duty flexible biaxial geogrid reinforcement layer. The netting layers are to be stitched bonded together on 1.5 inch centers with UV stabilized polypropylene monofilament thread for added hydraulic stability, forming a permanent three dimensional reinforcement structure.
2. The turf reinforcement mat to be Greenfix America CPG3000 or approved performance equivalent.
3. Anchoring: 8 inch minimum length U shaped staples.
4. See Greenfix TRM installation diagrams & supplement.

The CPG3000 is manufactured to provide extended long term erosion protection and permanent vegetation reinforcement in applications where the establishment of vegetative ground cover is expected to take more than three to five years and design conditions exceed the performance limits of un-reinforced vegetation.

CPG3000 Biaxial Geogrid Reinforced Synthetic Fiber Filled TRM (patent pending)

Fiber	Synthetic
Fiber Content	100%
Width (Feet/Meters)	7.5 / 2.3
Length (Feet/Meters)	72 / 21.9
Area (Square Yards / Square Meters)	60 / 50
Weight (Lbs./Sq. Yd. - Kg/Sq. Meters)	0.95 / 0.514
Weight per Blanket (Pounds/Kilograms)	57 / 25.9
Functional Longevity (Months)	Permanent
Top Net Type 1 (Permanent)	Biaxial Geogrid
Type 2 (UV Stabilized Poly Propylene)	Heavy
Bottom Netting Type (UV Stabilized Poly Propylene)	Heavy
Product Color Code	<input type="text"/>



Synthetic - Permanent

