



GGs 12oz TRM

GGs 12oz TRM Turf Reinforcement Mat extended term Erosion Control Blanket is composed of 100% synthetic materials. A matrix of green synthetic fibers is mechanically (stitch) bonded between two synthetic, UV-stabilized, heavy duty nets. Stitching is secured on two inch centers using UV-stabilized, heavy duty polypropylene thread. GGS 12oz TRM is a permanent, three-dimensional TRM that provides immediate protection and long term turf reinforcement. It is used for slope or channel applications requiring erosion protection for greater than 36 months. Actual field longevity is dependent on soil and climatic conditions. GGS 12oz TRM meets or exceeds the physical property values listed below:

Property	Test Method	Unit	M.A.R.V
Weight (typical)	ASTM D 6566	oz/sy	12.0
Tensile Strength	ASTM D 6818	lbs/in	20.8 (MD)
Elongation	ASTM D 6818	%	25 (MD) 25 (TD)
Thickness	ASTM D 6525	in	0.38
Light Penetration	ASTM D 6567	% open	20
Water Absorption	ASTM D 1117	%	n/a
Resiliency	ASTM D 6524	%	88
Porosity	Computed	%	96
UV Stability	ASTM D 4355	%/hrs	100/500 90/1000

HEC-15 Resistance to Flow Values

Netting	
Top Net	Synthetic UV Stabilized
Bottom Net	Synthetic UV Stabilized
Top Net Opening	0.75" x 0.75" (nominal)
Bottom Net Opening	0.75" x 0.75" (nominal)

Design Values	Unvegetated
Manning's n@Tau lower (0.7 psf(34 PA))	0.027
Manning's n@Tau mid (1.4 psf (67PA))	0.027
Manning's n@Tau upper (2.8 psf (134 PA))	0.027