



ETPP-10 Permanent Soil Reinforcement Mat

Description

ETPP-10 is a Permanent Turf Reinforcement Mat. The Poly-propylene matrix is Mechanically Bonded Together (Stitched) on Two Inch Centers Between Two Layers of Heavy-Duty UV-Stabilized Netting. Intended applications are for the stabilization of slopes and channels. The longevity of ETPP-10 is designed for applications needing greater than 3 years of reinforcement but results may vary dependant on climatic conditions.

ETPP-10 Specifications			
Roll Width		7.5'	15'
Roll Length:		120	120
Coverage Area		100syds	200syds
Stitching		2" Centers	
Yarn Type		High Denier/UV Stabilized Black	
Weight (lbs)		64	120
Matrix	100% Synthetic Crimped Poly Propylene		
Fiber Density		10oz/syd	

Netting Properties	
Top Net	Heavy Duty UV Stabilized Black Netting 3/4" X 3/4" Mesh Size (Nominal) 2.8+/-0.3PMSF Weight MD=25+/-6.0lb/4 strand/3" TD=25+/-6.0lb/4 strand/3"
Bottom Net	Heavy Duty UV Stabilized Black Netting 3/4" X 3/4" Mesh Size (Nominal) 2.8+/-0.3PMSF Weight MD=25+/-6.0lb/4 strand/3" TD=25+/-6.0lb/4 strand/3"

Test Method- Description		
Description	Test Method	Result
Tensile MD lb/in	ASTM 6818	21.3
Tensile TD lb/in	ASTM 6818	14.2
Ground Cover / Light Penetration	ASTM D 6567	77.10%
ECTC METHOD 2- Determination of Unvegetated RECP Ability to Protect Soil From Rain Splash and Associated Runoff Under Bench-Scale Conditions	50mm (2in)/hr for 30 min 100mm (4in)/hr for 30 min 150 mm (6in)/hr for 30 min	Soil Loss Ratio= 6.70 Soil Loss Ratio=8.83 Soil Loss Ratio=8.96
ECTC Method 3- Determination of <u>Unvegetated</u> RECP Ability to Protect Soil from Hydraulically- Induced Shear Stresses Under Bench Scale Conditions	Shear: 2.13 psf for 30 min Shear: 2.73 psf for 30 min Shear: 3.35 psf for 30 min Soil Loss Curve Intercept=	Soil Loss= 193.3 g Soil Loss= 525 g Soil Loss= 926.7 g 2.73 psf @ 1/2-in soil loss
ECTC Method 4 Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth	Top Soil; Fescur (Kentucky 31); 21 day incubation; 27a2 deg & approximately 45a5% RH	% Improvement 478% (increased biomass)

For More Information, contact:

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