

AASHTO NTPEP Rolled Erosion Control Product (RECP) Test Report

Manufacturer:	US Erosion Control Products	Plant Name:	US Erosion Control Products
Corporate Address:	1800 Springhead Church Rd.	Plant Address:	5227 Springhead Church Road
City/State/Zip:	Willacoochee, GA 31650	City/State/Zip:	Willacoochee, GA 31650
Corporate Contact:	Jody Cabe	Plant Contact:	Andrew Welsh
Phone:	800-948-7870	Phone:	478-960-6975
Fax:	912-594-6071	Fax:	
E-mail:	jcabe@landmsupplyco.com	E-mail:	awlmco@yahoo.com

NTPEP / Log Number: ECP-2010-01-009

Product Identification: US-2P12

Description: Double-netted synthetic permanent turf reinforcement mat with polymer fiber fill

Netting: Synthetic UV stabilized top and bottom nets (each with 0.75 square openings)

Matrix/Fill: 100% Polymer

Stitching: UV stabilized synthetic @ 1.5 in. transverse stitch spacing



Test Results

Test Method - Description	Parameters	Test Result
ASTM D 6566 - Mass per Unit Area	Index Test	14.02 oz/sq.yd.
ASTM D 6818 – Ultimate Tensile Strength / Strain - MD - TD	Index Test	30.1 lb/in @ % 29.6
		22.2 lb/in @ % 22.4
ASTM D 6525 – Thickness	Index Test	292 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	90.1 % / % 9.9
ASTM D 792 – Specific Gravity - Net Only	Index Test	0.916 g/cm3
ASTM D 7101 - Determination of Unvegetated RECP Ability to Protect Soil From Rain Splash and Associated Runoff Under Bench-Scale Conditions	50 mm (2 in.) / hr for 30 min.	Soil Loss Ratio* = 6.80
	100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio* = 9.27
	150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 12.64
ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 2.11 psf for 30 min.	Soil Loss = 255.0 g
	Shear: 2.79 psf for 30 min.	Soil Loss = 328.3 g
	Shear: 4.10 psf for 30 min.	Soil Loss = 523.3 g
	Soil loss curve intercept =	3.68 psf @ ½-in soil loss
ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth	Top soil; Fescue (Kentucky 31); 21 day incubation; 27±2° & approximately 45±5% RH	% of Control = 396% (increased biomass)

* Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis)