AASHTO's National Transportation Product Evaluation Program

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:	awlmsco@yahoo.com

NTPEP / Log Number: ECP-2010-01-005

Product Identification: US-2S

Description: Double net temporary straw erosion control blanket

Netting: Photodegradable synthetic top and bottom nets each with 0.5 x 0.54 inch rectangular openings

Matrix/Fill: 100% Wheat Straw

Stitching: Photodegradable synthetic stitching @ 2.0 in. transverse stitch spacing

Test Results

Test Method - Description	Parameters	Test Result
ASTM D 6475 - Mass per Unit Area	Index Test	9.49 oz/sq.yd.
ASTM D 6818 – Ultimate Tensile Strength / Strain -	Index Test	18.1 lb/in @ % 31.0
- TD		10.7 lb/in @ % 30.0
ASTM D 6525 – Thickness	Index Test	340 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	91.2 % / % 8.8
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	300 %
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* = 14.94
	100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio* = 15.43
	150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 15.93
ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 1.82 psf for 30 min.	Soil Loss = 301.7 g
	Shear: 2.39 psf for 30 min.	Soil Loss = 570.0 g
	Shear: 2.96 psf for 30 min.	Soil Loss = 1168.3 g
	Soil loss curve intercept =	2.17 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 = 440% (increased biomass)

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