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
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E-mail:	jcabe@landmsupplyco.com	E-mail:	awlmsco@yahoo.com

NTPEP / Log Number: ECP-2010-01-007

Product Identification: US-2S/C

Description: Double net temporary straw/coconut erosion control blanket

Netting: UV stabilized synthetic top with 0.75 inch square openings and photodegradable bottom net with 0.5 x 0.54 inch rectangular openings

Matrix/Fill: 70% Wheat Straw / 30% Coconut

Stitching: UV stabilized 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	9.75 oz/sq.yd.
ASTM D 6818 – Ultimate Tensile Strength / Strain -	Index Test	21.2 lb/in @ % 23.9
- TD		15.6 lb/in @ % 25.1
ASTM D 6525 – Thickness	Index Test	349 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	93.4 % / % 6.6
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	271 %
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* = 16.57
	100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio* = 17.80
	150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 19.11
ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 1.94 psf for 30 min.	Soil Loss = 431.7 g
	Shear: 2.56 psf for 30 min.	Soil Loss = 438.3 g
	Shear: 3.18 psf for 30 min.	Soil Loss = 816.7 g
	Soil loss curve intercept =	2.22 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 = 474% (increased biomass)

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