



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
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NTPEP / Log Number: ECP-2010-01-006

Product Identification: US-2C

Description: Double net temporary coconut erosion control blanket

Netting: UV stabilized synthetic top and bottom nets each with 0.75 inch square openings

Matrix/Fill: 100% 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	8.04 oz/sq.yd.
ASTM D 6818 – Ultimate Tensile Strength / Strain - TD	Index Test	20.4 lb/in @ % 24.0
	Index Test	25.3 lb/in @ % 33.9
ASTM D 6525 – Thickness	Index Test	291 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	81.8 % / % 18.2
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	139 %
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* = 11.76
	100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio* = 14.23
	150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 17.21
ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 1.99 psf for 30 min.	Soil Loss = 240.0 g
	Shear: 2.61 psf for 30 min.	Soil Loss = 586.7 g
	Shear: 3.85 psf for 30 min.	Soil Loss = 958.3 g
	Soil loss curve intercept =	2.63 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
		= 341%
		(increased biomass)

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