



**GEOSYNTHETICS**

# US-2C EROSION CONTROL PRODUCTS

Our US-2C is a double net coconut blanket. Our US-2C temporary erosion control blanket is composed of a 100% coconut fiber matrix mechanically stitch bound between two photo stabilized black polyethylene nets. Our US-2C is intended for use on slopes up to 1:1 and in high flow channels with a functional longevity of up to 36 months. Our US-2C is made in the US.

Test Property	Test Method	Value	
<b>SPECIFIED EXPECTED VALUES</b>			
Tensile Strength MD X TD	ASTM D6818	264 lb/ft x 144 lb/ft	
Elongation MD X TD	ASTM D6818	25% x 30%	
Mass Per Unit Area	ASTM D6475	10 oz/sy	
Thickness	ASTM D6525	211 mils	
Light Penetration	ASTM D6567	14%	
Water Absorption	ASTM D1117	245%	
Determination of unvegetated RECP ability to protect soil from rain splash and associated runoff under bench-scale conditions <sup>1</sup>	ASTM D7101	2"/hr for 30 minutes	Soil Loss Ratio* = 14.18
		4"/hr for 30 minutes	Soil Loss Ratio* = 22.09
		6"/hr for 30 minutes	Soil Loss Ratio* = 23.48
Determination of unvegetated RECP ability to protect soil from hydraulically-induced shear stresses under bench-scale conditions <sup>1</sup>	ASTM D7207	Shear: 1.20 psf for 30 min	Soil Loss = 0.0 gm
		Shear: 2.31 psf for 30 min	Soil Loss = 174.5 gm
		Shear: 3.06 psf for 30 min	Soil Loss = 451.1 gm
		Soil loss curve intercept=	3.08 psf @ 0.5" soil loss
Determination of temporary degradable RECP performance in encouraging seed germination and plant growth <sup>1</sup>	ASTM D7322	Top soil; Fescue (Kentucky 31); 21 day incubation; 27±2° & approximately 45±5% RH	% of Concurrent Control
			= 399%
<b>PHYSICAL DESCRIPTION</b>			
Netting- top and bottom net	2 layers of 0.588" x 0.5" approx. 30 lbs/1000 sy, photo stabilized polypropylene black plastic		
Thread	1200 denier UV stabilized split yarn		
Matrix	100% pure coconut fibers, 0.55 lbs/sy		
Special Features	US-2C has a 4" folded edges creating a stronger blanket and cleaner edge		
<b>PACKAGING DETAILS</b>			
Roll Width	Measured	8 ft or 16 ft	
Roll Length	Measured	112.5 ft or 562.5 ft	
Roll Area	Measured		
Roll Weight	Measured		
Packaging specifics	All rolls are wrapped tightly with stretch wrap to protect the erosion control product from weather and elements		

**NOTE**

\*Soil Loss Ration = Soil Loss Bare/Soil Loss with RECP = 1/C-Factor

<sup>1</sup> Values developed by TRI/Environmental Inc. using Bench Scale and Large Scale testing for AASHTO's National Transportation Product Evaluation Program

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