



## GEOSYNTHETICS

# US-2SC EROSION CONTROL PRODUCTS

Our US-2SC is a double net straw/coconut blanket. Our US-2SC temporary erosion control blanket is composed of a 70% weed free agricultural straw and 30% coconut matrix mechanically stitch bound between top photo stabilized and bottom photodegradable plastic nets. Our US-2SC is intended for use on slopes up to 1.5:1 and in medium flow channels with a functional longevity of up to 24 months. Our US-2SC is made in the US.

Test Property	Test Method	Value	
<b>SPECIFIED EXPECTED VALUES</b>			
Tensile Strength MD X TD	ASTM D6818	216 lb/ft x 96 lb/ft	
Elongation MD X TD	ASTM D6818	24% x 20%	
Mass Per Unit Area	ASTM D6475	9.75 oz/sy	
Thickness	ASTM D6525	258 mils	
Light Penetration	ASTM D6567	5%	
Water Absorption	ASTM D1117	400%	
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* = 25.39
		4"/hr for 30 minutes	Soil Loss Ratio* = 22.82
		6"/hr for 30 minutes	Soil Loss Ratio* = 26.22
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 = 39.6 gm
		Shear: 2.31 psf for 30 min	Soil Loss = 324.2 gm
		Shear: 3.06 psf for 30 min	Soil Loss = 658.2 gm
		Soil loss curve intercept=	2.65 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
			= 364%
<b>PHYSICAL DESCRIPTION</b>			
Netting- top and bottom net	Top: 0.588" x 0.5" approx. 30 lbs/1000 sy photo stabilized black PP plastic Bottom: 0.588" x 0.5" approx. 15 lbs/1000 sy photodegradable plastic		
Thread	1200 denier UV stabilized split yarn		
Matrix	70% straw fibers / 30% coconut, 0.55 lbs/sy		
Special Features	Rolls have 4" folded edges creating a stronger blanket and cleaner edge		
<b>PACKAGING DETAILS</b>			
Roll Width	Measured	8 ft	
Roll Length	Measured	112.5 ft	
Roll Area	Measured	900 ft	
Roll Weight	Measured	60 lbs	
Packaging specifics	All rolls are wrapped tightly with stretch wrap to protect the erosion control product from weather and elements		

**NOTE**

\*Soil Loss Ratio = 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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