



GEOSYNTHETICS

US-2S EROSION CONTROL PRODUCTS

Our US-2S is a double net straw blanket. Our US-2S temporary erosion control blanket is composed of a 100% weed free agricultural straw matrix mechanically stitch bound between two photodegradable polyethylene nets. Our US-2S is intended for use on slopes up to 2:1 and in medium flow channels with a functional longevity of up to 12 months. Our US-2S is made in the US.

Test Property	Test Method	Value	
SPECIFIED EXPECTED VALUES			
Tensile Strength MD X TD	ASTM D6818	120 lb/ft x 84 lb/ft	
Elongation MD X TD	ASTM D6818	20% x 21%	
Mass Per Unit Area	ASTM D6475	8.6 oz/sy	
Thickness	ASTM D6525	270 mils	
Light Penetration	ASTM D6567	6%	
Water Absorption	ASTM D1117	565%	
Determination of unvegetated RECP ability to protect soil from rain splash and associated runoff under bench-scale conditions ¹	ASTM D7101	2"/hr for 30 minutes	Soil Loss Ratio* = 20.55
		4"/hr for 30 minutes	Soil Loss Ratio* = 20.52
		6"/hr for 30 minutes	Soil Loss Ratio* = 32.50
Determination of unvegetated RECP ability to protect soil from hydraulically-induced shear stresses under bench-scale conditions ¹	ASTM D7207	Shear: 1.23 psf for 30 min	Soil Loss = 157.7 gm
		Shear: 2.01 psf for 30 min	Soil Loss = 284.6 gm
		Shear: 2.52 psf for 30 min	Soil Loss = 531.9 gm
		Soil loss curve intercept=	2.36 psf @ 0.5" soil loss
Determination of temporary degradable RECP performance in encouraging seed germination and plant growth ¹	ASTM D7322	Top soil; Fescue (Kentucky 31); 21 day incubation; 27±2° & approximately 45±5% RH	% of Concurrent Control
			= 403%
Unvegetated permissible shear strength ¹	ASTM D6460	2.28 psf	
Unvegetated permissible velocity ¹	ASTM D6460	9.2 ft/sec	
PHYSICAL DESCRIPTION			
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	300 denier degradable split yarn		
Matrix	100% agricultural cured wheat straw, 0.5 lbs/sy		
Special Features	US-2S has a 4" folded edges creating a stronger blanket and cleaner edge		
PACKAGING DETAILS			
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
 1 Values developed by TRI/Environmental Inc. using Bench Scale and Large Scale testing for AASHTO's National Transportation Product Evaluation Program