

US EROSION CONTROL PRODUCTS

An L & M Supply Company

SPECIFICATION PAGE

Product Name: US-1S - Single Net Straw Blanket

Manufacturer: US Erosion Control Products inc., an L & M Supply Company (Phone: 800-948-7870)

Physical Description:

Size:	Available in an 8' width by 112.5' length.
Netting:	1 layer of 0.588" x 0.5" opening, approximately 15 lbs/1000sqyds photodegradable polypropylene plastic.
Thread:	800 denier degradable split yarn.
Matrix:	100% agricultural cured wheat straw.
Packaging:	All rolls are wrapped tightly with stretch wrap to protect the rolled erosion control product from the weather and elements.
Special Features:	US-1S has a 4" folded edge on both sides of the 8' width creating a stronger blanket and a cleaner edge.

Recommended Applications:

US- 1S is recommended for use on slopes up to 3:1 and in low flow channels with a functional longevity of up to 12 months.

Recommended Installation Pattern:

The leading edge is to be trenched into a 6" deep trench and the blanket is to be placed parallel to the anticipated water flow. When more than 1 blanket is required, they are to be overlapped 6" on all overlapping sides and tiled in a shingle type pattern as to not let the water underneath the blanket.

Test Data:

Test Method - Description	Parameters	Test Result
ASTM D 6475 - Mass per Unit Area	Index Test	10.26 oz/sq.yd.
ASTM D 6818 - Ultimate Tensile Strength / Strain-TD	Index Test	12.9 lb/in @ % 27.1 8.0 lb/in @ % 33.1
ASTM D 6525 - Thickness	Index Test	414 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	94.7 % / % 5.3
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	296%
ASTM D 7101 - Determination of Un-vegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff under Bench-Scale Conditions	50 mm (2 in.) / hr for 30 min. 100 mm (4 in.) / hr for 30 min. 150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 15.72 Soil Loss Ratio* = 14.01 Soil Loss Ratio* = 12.48
ASTM D 7207 - Determination of Un-vegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 0.69 psf for 30 min. Shear: 1.26 psf for 30 min. Shear: 1.82 psf for 30 min. Soil loss curve intercept =	Soil Loss = 210.0 g Soil Loss = 226.7 g Soil Loss = 488.3 g 1.87 psf @ 1/2-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	<u>% of Control</u> 4.29 (increased biomass)