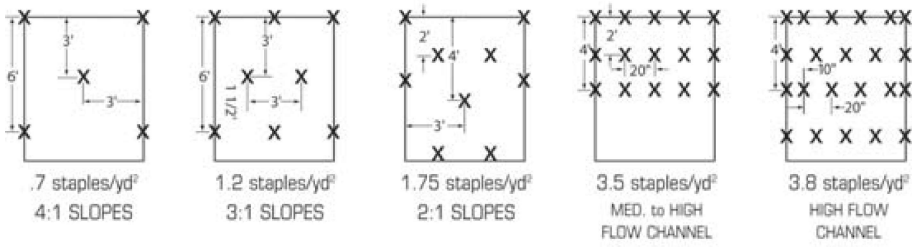
US EROSION CONTROL PRODUCTS

MATERIALS DATA SHEET:

Product Name: **US-2C 100% Coconut Blanket**
Manufacturer: US Erosion Control Products; an L & M Supply Company – Phone: 800-948-7870
Physical Description:

Size: Available in 16' and 8' widths and 112.5' and 562.5' lengths (Custom cuts are available upon request).
Plastic: 2 layers of .588" x .5" opening, approximately 30 lbs/1000 yd^2 photo stabilized black polypropylene plastic.
Thread: 1200 denier UV stabilized split yarn
Matrix: 100% pure coconut fibers, .55 lbs/yd^2
Packaging: All rolls are wrapped tightly with stretch wrap to protect the rolled erosion control product from the weather and elements.
Special Features: **US-2C has** a 4" folded edge on both sides of the 16' and 1 folded and 1 cut on the 8' blanket creating a stronger blanket and cleaner edges.

Recommended Applications: US-2C is recommended for use on slopes up to 1:1 and in high flow channels.
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 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 -	Index Test	20.4 lb/in @ % 24.0
- TD		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)		

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