



Erosion Control Blanket

Jute Netting (Bio) – Double Net – 70% Straw, 30% Coconut (BDNSC)

The BMP Biodegradable Double Net Straw Coconut (BDNSC) Erosion Control Blanket is 100% biodegradable, made of two jute nets and filled with both weed-free agricultural wheat straw and coconut fiber matrix. Designed for use on medium to steep slope and medium to high flow channel applications, these extended-term blankets are designed to reduce soil erosion and channel sedimentation through a combination of physical, chemical, and biological means. The Blanket provides an effective and cost-efficient solution to soil erosion and sedimentation control. These blankets also offer a protective vegetative cover that aids in reducing water velocity and sedimentation.

Properties	Test Method	Values
Netting		Top and Bottom (Double) Jute Net
Fill		70% Agricultural Weed Free Wheat Straw 30% Coconut
Longevity		Extended Term - est. 24 months
Mass Per Unit Area	ASTM D6475	9.35 oz/sq/yd 317 g/m ²
Tensile Strength	ASTM D6818	MD - 17.7lb/in @ % 8.3 XD - 16.2 lb/in @ % 9.2
Thickness*	ASTM D6525	0.250 in 0.635 cm
Light Penetration	ASTM D6567	12.7%
Water Absorption	ASTM D1117	278%
Unvegetated Bench-Scale Rain Splash and Runoff	ASTM D7101	50 mm (2 in.) / hr for 30 min : Soil Loss Ratio† = 24.00 C Factor: 0.042 100 mm (4 in.) / hr for 30 min : Soil Loss Ratio† = 28.70 C Factor: 0.035 150 mm (6 in.) / hr for 30 min : Soil Loss Ratio† = 55.61 C Factor: 0.018
Unvegetated Large-Scale Slope	ASTM D6459	C Factor = 0.023
Unvegetated Large Scale Channel	ASTM D6560	2.15 psf
Unvegetated Bench-Scale Shear Stress	ASTM D7207	2.65 psf @ ½ in soil loss (127 Pa)
Seed Germination (ASTM Method)	ASTM D7322	266%

† Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis)

Roll Dimensions

BMP-BDNSC08	8' x 112.5' (100sy / 83.6127 m ²) - ~50 lbs	25 Rolls/Pallet
BMP-BDNSC16	16' x 112.5' (200sy / 167.23 m ²) - ~100 lbs	20 Rolls/ Pallet
BMP-BDNSC8JR	8' x 562.5' (500sy / 418.06 m ²) - ~250 lbs	4 Rolls/ Pallet
BMP-BDNSC8JR	16' x 562.5' (1000sy / 836.13 m ²) - ~500 lbs	4 Rolls/ Pallet



Shipping From:

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