



C32 BD

Specification Sheet

The ErosionControlBlanket C32 BD is a long-term 100% biodegradable double net 100% coconut fiber erosion control blanket designed for use on extreme slope and channel applications requiring erosion control for up to 36 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 1.5 inch (38.1 mm) centers. The C32 BD meets all requirements established in the FHWA FP-03 as a Type 4 erosion control blanket for use on slopes with gradients not exceeding 1:1 (h:v) and has been tested by the National Transportation Product Evaluation Program (NTPEP). The C32 BD comes packaged in clear shrink-wrap with a purple band and includes installation instructions.

Product Nomenclature & Properties

- C** = 100% coconut fiber matrix
- 3** = coconut fiber matrix applied at a rate of 0.43-0.5 lbs/yd² (198-270 g/m²)
- 2** = top and bottom leno woven biodegradable nets with a mesh size of 0.5 x 1.0 in (1.3 x 2.54 cm)
- BD** = 100% biodegradable leno woven net, thread, and matrix to ensure consistent functional longevity

Index & Bench Scale Testing

Test Description	Test Method	Test Results
Mass per Unit Area	ASTM D6475	7-8 oz/yd ²
Tensile Strength	ASTM D6818	19.9 lb/in @ 9.6% MD 11.9 lb/in @ 15.3% TD
Thickness	ASTM D6525	0.261 in
Light Penetration / Ground Cover	ASTM D6567	12.7% / 87.3%
Water Absorption	ASTM D 1117 & ECTCTASC 00197	271%
Unvegetated Bench-Scale Rain Splash and Runoff (not to be used as a design value)	ASTM D7101	Soil Loss Ratio* = 13.56 Soil Loss Ratio* = 15.10 Soil Loss Ratio* = 16.82
Unvegetated Large-Scale Channel Shear Stress	ASTM D6460	2.5 lbs/ft ²
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	412% Improvement (increased biomass)
*Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: Soil loss is based on regression analysis)		

Design Values

- "C" factor = 0.057
- Maximum Unvegetated Permissible Shear Stress = 2.25 lbs/ft² (107.7 Pa)
- Maximum Unvegetated Permissible Velocity = 9.5 ft/sec (2.89 m/s)
- Manning's "n" = 0.03

Standard Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	34.3m (112.5 ft)	34.3m (112.5 ft)
Area	83.61m ² (100 yd ²)	167.22m ² (200 yd ²)
Weight ± 10%	30.8 kg (68 lb)	61.6 kg (136 lb)

Highway Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	137.2m (450ft)	137.2m (450ft)
Area	334.5m ² (400 yd ²)	669m ² (800 yd ²)
Weight ± 10%	92.5 kg (272 lb)	246.76kg (544lb)