



## C32

### Letter of Certification

The ErosionControlBlanket C32 is a long-term 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 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 comes packaged in clear shrink-wrap and includes installation instructions.

### Product Nomenclature & Properties

- C** = 100% coconut fiber matrix
- 3** = coconut fiber matrix applied at a rate of 0.5 lbs/yd<sup>2</sup> (270 g/m<sup>2</sup>)
- 2** = top & bottom stabilized photodegradable black net with a mesh size of 0.626 x 0.626 in (1.59 x 1.59 cm)  
= UV stabilized photodegradable thread to ensure consistent functional longevity

### Index & Bench Scale Testing

Test Description	Test Method	Test Results
Mass per Unit Area	ASTM D6475	248g/m <sup>2</sup>
Tensile Strength	ASTM D6818	4.2kN/m @ 22.1% MD 3kN/m @ 35.3% TD
Thickness	ASTM D6525	6.8mm
Light Penetration / Ground Cover	ASTM D6567	15.9% / 84.1%
Water Absorption	ASTM D 1117 & ECTCTASC 00197	199%
Unvegetated Bench-Scale Rain Splash and Runoff (not to be used as a design value)	ASTM D7101	Soil Loss Ratio* = 13.54 Soil Loss Ratio* = 18.69 Soil Loss Ratio* = 25.80
Unvegetated Bench-Scale Shear Stress (not to be used as design value)	ASTM D7207	2.75 lbs/ft <sup>2</sup> @ ½ in. soil loss
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	266% 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 = 0.002
- Maximum Permissible Shear Stress = 2.25 lbs/ft<sup>2</sup> (108 Pa)
- Maximum Permissible Velocity = 10 ft/sec (3.05 m/s)
- Manning's "n" = 0.03

### Standard Roll Details

Width	2.44m (8ft)	4.88m (16ft)
Standard Length	34.3m (112.5ft)	34.3m (112.5ft)
Area	83.61m <sup>2</sup> (100yd <sup>2</sup> )	167.2m <sup>2</sup> (200yd <sup>2</sup> )
Weight ±10%	26.3kg (58lb)	51.7kg (114lb)

### "Big Daddy" Roll Details

Width	2.44m (8ft)	4.88m (16ft)
Standard Length	171.5m (562.5ft)	171.5m (562.5ft)
Area	418m <sup>2</sup> (500yd <sup>2</sup> )	836.1m <sup>2</sup> (1000yd <sup>2</sup> )
Weight ±10%	127kg (279lb)	254kg (558lb)

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