



## Specification Sheet

# C32

The C32 blanket from ErosionControlBlanket.com is manufactured from 100% coconut fiber stitched between black UV stabilized photodegradable polypropylene nets with a mesh size of 1.59 x 1.59 cm (0.626 x 0.626 in). The “C” and “3” represent coconut fiber applied at a minimum of 270 g/m<sup>2</sup> (0.5 lbs/yd<sup>2</sup>) and the “2” represents that the blanket is netted on the top and bottom sides. The functional longevity of the blanket is 24-36 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 38.1 mm (1.5 in) centers, with UV stabilized white, brown, or black photodegradable thread to ensure the same rate of degradation for the top net and thread. Each roll of C32 is packaged in clear shrink-wrap with a blue band and includes installation instructions.

### Index Test Results From Bench Scale Testing (TRI Environmental Labs or NTPEP)

Test Method – Description	Parameters	Test Result
ASTM D6475 – Mass per Unit Area	Index Test	4.90 oz/sq. yd.
ASTM D6818 – Tensile Strength Machine Direction (MD) Transverse/Cross Direction (TD)	Index Test Index Test	24.0 lbs/in @ 22.1% 17.3 lbs/in @ 35.3%
ASTM D6525 – Thickness	Index Test	0.145 in
ASTM D6567 – Light Penetration	Index Test	24.4%
ASTM D 1117 & ECTC-TASC 00197 – Water Absorption	Index Test	186.73%
ECTC Method 2 – Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions	25 mm (1 in.)/hr for 30 min. 75 mm (3 in.)/hr for 30 min. 125 mm (5 in.)/hr for 30 min.	Soil Loss Ratio* = 9.26 Soil Loss Ratio*=11.06 Soil Loss Ratio*=13.23
ECTC Method 3 – Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Regression (power curve)	2.75 psf @ ½ in. soil loss (not to be used as a design value)
ECTC Draft Method 4 – Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth	Top soil; Fescue (Kentucky 31); 21 day incubation; 27±2° approximately 65% RH	% Improvement = 266% (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 = 0.001
- Maximum Permissible Shear Stress = 108 Pa (2.25 lbs/ft<sup>2</sup>)
- C32 meets all requirements established in the FHWA FP-03 as a Type 4 erosion control blanket for use on slopes with gradients of 1:1 (h:v)
- Manning’s “n” = 0.027
- C32 has been tested by the National Transportation Product Evaluation Program (NTPEP)

### Standard Roll Details

Width	2.44m (8ft)	4.88m (16ft)
Standard Length	41.1m (135ft)	41.1m (135ft)
Area	101.7m <sup>2</sup> (120yd <sup>2</sup> )	203.4m <sup>2</sup> (240yd <sup>2</sup> )
Weight ±10%	30kg (67lb)	60kg (134lb)

### “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)

More information available upon request.