



## Specification Sheet

## SC32

The SC32 blanket from ErosionControlBlanket.com is manufactured from 70% agricultural straw and 30% coconut fiber stitched between a top black UV stabilized photodegradable polypropylene net with a mesh size of 1.59 x 1.59 cm (0.626 x 0.626 in) and a bottom photodegradable polypropylene top net with a mesh size of 1.49 x 1.3 cm (0.588 x 0.5 in). The “S”, “C”, and “3” represent straw and 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 12-24 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 or brown photodegradable thread to ensure the same rate of degradation for the top net and thread. Each roll of SC32 is packaged in yellow shrink-wrap with a blue band and includes installation instructions.

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

Test Method – Description	Parameters	Test Result
ASTM D6475 – Mass per Unit Area	Index Test	7.15 oz/sq. yd.
ASTM D6818 – Tensile Strength Machine Direction (MD)	Index Test	13.6 lb/in @ 20.5%
Transverse/Cross Direction (TD)	Index Test	11.0 lb/in @ 21.2%
ASTM D6525 – Thickness	Index Test	0.268 in
ASTM D6567 – Light Penetration	Index Test	6%
ASTM D 1117 & ECTC-TASC 00197 – Water Absorption	Index Test	330%
ECTC Method 2 – 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. 100 mm (4 in.)/hr for 30 min. 150 mm (6 in.)/hr for 30 min.	Soil Loss Ratio* = 8.56 Soil Loss Ratio* = 10.92 Soil Loss Ratio* = 12.58
ECTC Method 3 – Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Regression (power curve)	2.3 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 50% RH	% Improvement = 558% (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 = 96 Pa (2.00 lbs/ft<sup>2</sup>)
- SC32 meets all requirements established in the FHWA FP-03 as a Type 3B erosion control blanket for use on slopes with gradients of 1.5:1 (h:v)
- Manning’s “n” = 0.03
- SC32 has been tested by the National Transportation Product Evaluation Program (NTPEP)

## 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 <sup>2</sup> (100 yd <sup>2</sup> )	167.23m <sup>2</sup> (200 yd <sup>2</sup> )
Weight ±10%	25kg (54lb)	50kg (108lb)

## “Big Daddy” Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	171.5m (562.5 ft)	171.5m (562.5 ft)
Area	418m <sup>2</sup> (500 yd <sup>2</sup> )	836.1m <sup>2</sup> (1000 yd <sup>2</sup> )
Weight ±10%	125kg (270lb)	250kg (540lb)

More information available upon request.