



Specification Sheet

S32

The S32 blanket from ErosionControlBlanket.com is manufactured from 100% agricultural straw stitched between two photodegradable polypropylene nets with a mesh size of 1.49 x 1.3 cm (0.588 x 0.5 in). The “S” and “3” represent straw applied at a minimum of 270 g/m² (0.5 lbs/yd²) and the “2” represents that the blanket is netted on the top and bottom sides. The functional longevity of the blanket is 3-12 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 38.1 mm (1.5 in) centers, with rapid photodegradable thread to ensure the same rate of degradation for the net and thread. Each roll of S32 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	6.37 oz/sq. yd.
ASTM D6818 – Tensile Strength Machine Direction (MD) Transverse/Cross Direction (TD)	Index Test Index Test	14.1 lbs/in @ 22.3 5.3 lbs/in @20.3
ASTM D6525 – Thickness	Index Test	0.33 in
ASTM D6567 – Light Penetration	Index Test	13.6%
ASTM D 1117 & ECTC-TASC 00197 – Water Absorption	Index Test	484.59%
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* = 10.44 Soil Loss Ratio* = 9.17 Soil Loss Ratio* = 8.05
ECTC Method 3 – Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Regression (power curve)	1.43 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 = 296% (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 = 0.005
- Maximum Permissible Shear Stress = 84 Pa (1.75 lbs/ft²)
- S32 meets all requirements established in the FHWA FP-03 as a Type 2D erosion control blanket for use on slopes with gradients not exceeding 2:1 (h:v)
- Manning’s “n” = 0.03
- S32 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 ² (100 yd ²)	167.23m ² (200 yd ²)
Weight	25kg (54lb)	50kg (108lb)

“Big Daddy” Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	137.2m (450 ft)	137.2m (450 ft)
Area	334.4m ² (400 yd ²)	668.8m ² (800 yd ²)
Weight	100kg (216 lb)	200kg (432 lb)

More information available upon request.