



# Erosion Control BLANKET

## Specification Sheet

# SC32

**SC32 from ErosionControlBlanket.com is a combination of 70% Straw and 30% Coir (coconut) Fiber blanket stitched with a top black UV stabilized polypropylene net (.626x.626 inch or 15.9x15.9 mm mesh size), (14.6 grams/square meter). The bottom net is one photo / degradable polypropylene net (.588x.5 inch or 1.49x1.27 cm mesh size). The “S” represents straw and the “C” represents coir, the “3” represents that the blanket has a minimum of 0.270 Kilograms/square meter (.5lbs/square yard), the “2” represents that the blanket is netted on two sides. The functional longevity of the blanket is greater than one year depending on moisture, light and winter conditions. The blanket is sewn together with white or brown UV stabilized polypropylene thread.**

### **Performance and Index test results from NTPEP Testing (TRI Environmental Labs)**

Test Method – Description	Parameters	Test Result
ASTM D 6475 – Mass per Unit Area	Index Test	7.15 oz/sq. yd.
ASTM D 6818 – Ultimate Tensile Strength/Strain MD TD	Index Test	13.6 lb/in @ 20.5%
	Index Test	11.0 lb/in @ 21.2%
ASTM D 6525 – Thickness	Index Test	268 mils
ECTC-TASC 00197 – Ground Cover/Light Penetration	Index Test	94% / 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.	Soil Loss Ratio* = 8.56
	100 m (4 in.)/hr for 30 min.	Soil Loss Ratio* = 10.92
	150 mm (6 in.)/hr for 30 min.	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	Shear: 1.84 psf for 30 min.	Soil Loss = 173 g
	Shear: 2.44 psf for 30 min.	Soil Loss = 483 g
	Shear: 2.97 psf for 30 min.	Soil Loss = 1508 g
	Regression (power curve)	2.3 psf @ ½ in. soil loss
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)		

Bench Scale Tests conducted at TRI/Environmental Inc., A Texas Research International Company  
Bench scale result should not be used as a design value. Design value of 2.0 lbs/sq.ft. should be used.