

# SC200

## Specification Sheet

The SC200 (Straw/Coconut) erosion control blanket (ECB) consists of a blend of 70% straw and 30% coconut fibers. The straw fibers used in the products are the finest available agricultural straw with 75% of fibers  $\geq 4$  inches in length and certified weed seed free. The blended fibers are evenly distributed throughout the entire area of the blanket. The top of each blanket is covered with HV black polypropylene netting and the bottom of each blanket is covered with green polypropylene netting with both containing oxo-biodegrader and UV additives.

### Product Nomenclature & Properties

- SC** = a blend of 70% straw and 30% coconut fibers  
**200** = the top of each blanket is covered with HV black polypropylene netting and the bottom of each blanket is covered with green polypropylene netting with both containing oxo-biodegrader and UV additives.

### Index & Bench Scale Testing

Test Description	Test Method	Test Results
Thickness	ASTM D1777	0.27 in (6.9 mm)
Light Penetration	ECTC Procedure	15.00%
Resiliency	ASTM D6524	74.00%
Mass per Unit Area	ASTM D6475	0.42lb/yd <sup>2</sup> (228 g/m <sup>2</sup> )
MD - Tensile Strength (max.)	ASTM D4595	249.6 lb/ft (3.66 kN/m)
TD - Tensile Strength (max.)	ASTM D4595	134.4 lb/ft (1.97 kN/m)
MD - Elongation	ASTM D4595	21.50%
TD - Elongation	ASTM D4595	18.00%
Swell	ECTC Procedure	55.00%
Water Absorbtion	ASTM D1117/ECTC	415.00%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 10.7 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 13.1 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 16.1 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	2.16 lb/ft <sup>2</sup> @ 0.5" soil loss
Germination Improvement	ECTC Method 4	345%

### Design Values

- "C" factor = 0.150
- Shear Stress (Unvegetated) = 2.0 lb/ft<sup>2</sup> (96 Pa)
- Velocity (Unvegetated) = 8.5 ft/s (2.6 m/sec)
- Functional Longevity\*:  $\leq 24$  months

\*Functional Longevity varies from region to region because of differences in climatic conditions.

### Standard Roll Details

Width	2.4m (8ft) Standard
Length	34.3m (112.5ft)
Area	83.6m <sup>2</sup> (100yd <sup>2</sup> )
Weight*	22.7kg (50lb)
Mass per Unit Area ( $\pm 10\%$ )	0.27 kg/m <sup>2</sup> (0.50 lb/yd <sup>2</sup> )
Net Openings	Polypropylene Top (HV Black) 19.1 mm x 19.1 mm (0.75 in x 0.75 in) Polypropylene Bottom (Green) 12.7 mm x 12.7 mm (0.50 in x 0.50 in)

\*Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of straw and coconut fibers is 15% and 20%, respectively.