



SC200B

Specification Sheet

The SC200B (Straw/Coconut Fibre Double Net) erosion control blanket (ECB) consists of a blend of 70% straw and 30% coconut fibers. Product is 100% biodegradable. The blended fibers are evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with biodegradable Jute netting.

Product Nomenclature & Properties

- SC** = a blend of 70% straw and 30% coconut fibers
- 200** = the top and bottom of each blanket is covered with biodegradable Jute netting.
- B** = biodegradable Jute netting

Index & Bench Scale Testing

Test Description	Test Method	Test Results
Thickness	ASTM D6525	0.331 in (8.41 mm)
Light Penetration	ASTM D6567	5.80%
Mass per Unit Area	ASTM D6475	0.81 lb/yd ² (437 g/m ²)
MD - Tensile Strength (max.)	ASTM D6818	321.6 lb/ft (4.71 kN/m)
TD - Tensile Strength (max.)	ASTM D6818	159.6 lb/ft (2.35 kN/m)
MD - Elongation	ASTM D6818	4.10%
TD - Elongation	ASTM D6818	4.80%
Water Absorption	ASTM D1117/ECTC	382.00%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 17.80 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 30.74 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 53.08 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	2.66 lb/ft ² @ 0.5" soil loss
Germination Improvement	ECTC Method 4	384%

Design Values

- "C" factor = 0.150
- Shear Stress (Unvegetated) = 2.0 lb/ft² (96 Pa)
- Velocity (Unvegetated) = 8.5 ft/s (2.6 m/sec)
- Functional Longevity*: ≤ 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 ² (100yd ²)
Weight*	22.7kg (50lb)

*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.