

The S200B (Straw Double Net) erosion control blanket (ECB) consists of the finest available agricultural straw with 75% four-inch fibers or greater fiber length, and is certified weed seed free. Product is 100% biodegradable. The straw fibers are evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with biodegradable Jute netting. Stitching thread is UV degradable (biodegradable stitching thread available upon request).

Product Nomenclature & Properties

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

Index & Bench Scale Testing

Tested Property	Test Method	Test Results
Thickness	ASTM D6525	0.261in (8.41mm)
Light Penetration	ASTM D6567	17.7%
Mass per Unit Area	ASTM D6475	0.588lb/yd ² (319 g/m ²)
MD - Tensile Strength (max.)	ASTM D6818	187.2 lb/ft (2.73 kN/m)
TD - Tensile Strength (max.)	ASTM D6818	145.2 lb/ft (2.12 kN/m)
MD - Elongation	ASTM D6818	9%
TD - Elongation	ASTM D6818	13.3%
Water Absorption	ASTM D1117/ECTC	385%
Bench-Scale Rain Splash	ASTM D7101	SLR = 8.00 @ 2 in/hr
Bench-Scale Rain Splash	ASTM D7101	SLR =9.72 @ 4 in/hr
Bench-Scale Rain Splash	ASTM D7101	SLR =14.30 @ 6 in/hr
Bench-Scale Shear	ASTM D7207	2.22 lb/ft ² @ 0.5" soil loss
Germination Improvement	ASTM D7322	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)
- Length 34.3m (112.5ft)
- Area 83.6m² (100yd²)
- Weight* 22.7kg (50lb)

* Weight in based on a dry fibre weight basis at time of manufacture. Baseline moisture content of coconut fibres is 20%