

The C200B (Coconut Fibre Double Net) erosion control blanket (ECB) consists of coconut fibers. The fibers are evenly distributed throughout the entire area of the blanket. Product is 100% biodegradable. 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

- C = 100% 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	0.294in (7.47mm)
Light Penetration	ASTM D6567	19.40%
Mass per Unit Area	ASTM D6575	0.57lb/yd ² (307 g/m ²)
MD - Tensile Strength (max.)	ASTM D6818	356.4 lb/ft (5.22 kN/m)
TD - Tensile Strength (max.)	ASTM D6818	169.2 lb/ft (2.48 kN/m)
MD - Elongation	ASTM D6818	3.20%
TD - Elongation	ASTM D6818	4.30%
Water Absorption	ASTM D1117/ECTC	334.00%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 12.61 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 17.95 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 25.55 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	2.56 lb/ft ² @ 0.5" soil loss
Germination Improvement	ECTC Method 4	496%

Design Values

- "C" Factor = 0.05
 - Shear Stress (Unvegetated) = 2.25 lb/ft² (108 Pa)
 - Velocity (Unvegetated) = 9.0 ft/s (2.7 m/sec)
 - Functional Longevity*: ≤ 36 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)
 - Mass per Unit Area (± 10%) 0.27 kg/m² (0.50 lb/yd²)
 - Net Openings 25.4 mm x 12.7 mm (1.0 in x 0.5 in)
- * Weight in based on a dry fibre weight basis at time of manufacture. Baseline moisture content of coconut fibres is 20%