



# C200

## Specification Sheet

The C200 (Coconut Fibre Double Net) erosion control blanket (ECB) consists of coconut fibers. The fibers are evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with heavy duty black polypropylene netting containing oxo-biodegrader and UV additives.

### Product Nomenclature & Properties

- C** = 100% coconut fibers
- 200** = the top and bottom of each blanket is covered with HV black polypropylene netting containing oxo-biodegrader and UV additives.

### Index & Bench Scale Testing

Test Description	Test Method	Test Results
Thickness	ASTM D1777	0.28 in (7.11 mm)
Light Penetration	ASTM D6567	23.10%
Resiliency	ASTM D6524	83%
Mass per Unit Area	ASTM D6475	0.40 lb/yd <sup>2</sup> (215 g/m <sup>2</sup> )
MD - Tensile Strength (max.)	ASTM D6818	313.2 lb/ft (4.59 kN/m)
TD - Tensile Strength (max.)	ASTM D6818	171.6 lb/ft (2.51 kN/m)
MD - Elongation	ASTM D6818	29.00%
TD - Elongation	ASTM D6818	44.00%
Swell	ECTC Procedure	20.30%
Water Absorption	ASTM D1117/ECTC	234.00%
Bench -Scale Rain Splash	ECTC Method 2	SLR = 12.67 @ 2 in/hr
Bench -Scale Rain Splash	ECTC Method 2	SLR = 14.66 @ 4 in/hr
Bench -Scale Rain Splash	ECTC Method 2	SLR = 16.96 @ 6 in/hr
Bench -Scale Shear	ECTC Method 3	2.44 lb/ft <sup>2</sup> @ 0.5" soil loss
Germination Improvement	ECTC Method 4	414%

### Design Values

- "C" factor = 0.10
- Shear Stress (Unvegetated) = 2.25 lb/ft<sup>2</sup> (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) Standard
Length	34.3m (112.5ft)
Area	83.6m <sup>2</sup> (100yd <sup>2</sup> )
Weight*	22.7 kg (50lb)
Mass per Unit Area (± 10%)	0.27 kg/m <sup>2</sup> (0.50 lb/yd <sup>2</sup> )
Net Openings	19.1 mm x 19.1 mm (0.75 in x 0.75 in)

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