Material Properties and Dimensions

Excel CS-3 All Natural™

Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). The Coconut/Straw Excel CS-3 All Natural Extended Term Erosion Control Blanket consists of 30% coconut fibers and 70% certified noxious weed free agricultural straw manufactured into a continuous matrix. The coconut/straw matrix is confined by a biodegradable, jute/scrim net on top and bottom, mechanically (stitch) bound on two inch centers with a biodegradable, cotton thread. Excel CS-3 All Natural is intended for slope or channel erosion control applications requiring up to twenty-four months of functional longevity. Actual field longevity is dependent on soil and climatic conditions.

Each roll of EXCEL CS-3 All Natural is made in the USA and manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness. Verifiable values are provided in Table 1 and product characteristics are provided in Table 2.

Table 1- Specified Expected Values

Tested Property	Test Method	Value
Tensile Strength (MD) x (TD)	ASTM D6818	16.0 lb/in (2.8 kN/m) x 11.0 lb/in (1.9 kN/m)
Elongation (MD) x (TD)	ASTM D6818	20 % x 20 %
Mass Per Unit Area	ASTM D6475	8.9 oz/yd^2 (302 g/m^2)
Thickness	ASTM D6525	0.34 in (9 mm)
Light Penetration	ASTM D6567	10 % open
Water Absorption	ASTM D1117	325 %

Table 2 - Netting

Top Net Type	Biodegradable, Jute Scrim Leno Weave
Bottom Net Type	Biodegradable, Jute Scrim Leno Weave
Top Net Opening Dimensions	0.5 in (13 mm) x 1.0 in (25 mm)
Bottom Net Opening Dimensions	0.5 in (13 mm) x 1.0 in (25 mm)

Excel CS-3 All Natural is available in multiple roll sizes ranging in width from 8.0 ft to 16.0 ft. and 112.5 ft to 600 ft in length. Standard roll sizes are 100 square yards, measuring 8.0 ft wide by 112.5 ft long. Custom roll sizes are available upon request.