



# Material Properties and Dimensions

## Excel CS-3™



## Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). The Coconut/Straw Excel CS-3 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 photodegradable, synthetic net on top and bottom, mechanically (stitch) bound on two inch centers. Excel CS-3 is intended for 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 is made in the USA and manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness. Typical manufactured properties 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	13.0 lb/in (2.3 kN/m) x 10.7 lb/in (1.9 kN/m)
Elongation (MD) x (TD)	ASTM D6818	31 % x 29 %
Mass Per Unit Area	ASTM D6475	8.9 oz/yd <sup>2</sup> (302 g/m <sup>2</sup> )
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	Synthetic, UV Stable
Bottom Net Type	Synthetic, Photodegradable
Top Net Opening Dimensions	0.7 in (17 mm) x 0.7 in (17 mm)
Bottom Net Opening Dimensions	0.5 in (13 mm) x 0.5 in (13 mm)

Excel CS-3 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.

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