

# MATERIAL PROPERTIES AND DIMENSIONS



**EXCEL SD-3™**



## Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel SD-3 extended term Erosion Control Blanket is composed of a 100% High Altitude Rocky Mountain Aspen Excelsior matrix mechanically (stitch) bound on two inch centers between two long term photodegradable, synthetic heavy duty nets. The excelsior matrix consists of curled, machine produced fibers with greater than eighty percent longer than six inches. Excel SD-3 blanket is intended for use in channels or slopes requiring erosion protection for a period up to thirty months. Actual field longevity is dependent on soil and climatic conditions.

Each roll of EXCEL SD-3 is manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness. Verified index 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	18.4 lb/in (3.2 kN/m) x 12.7 lb/in (2.2 kN/m)
Elongation (MD) x (TD)	ASTM D6818	25 % x 25 %
Mass Per Unit Area	ASTM D6475	18.0 oz/yd <sup>2</sup> (610 g/m <sup>2</sup> )
Thickness	ASTM D6525	0.55 in (14 mm)
Light Penetration	ASTM D6567	15 % open
Water Absorption	ASTM D1117	300 %

Table 2 - Netting

Top Net Type	Synthetic, UV Stable
Bottom Net Type	Synthetic, UV Stable
Top Net Opening Dimensions	0.7 in (17 mm) x 0.7 in (17 mm)
Bottom Net Opening Dimensions	0.7 in (17 mm) x 0.7 in (17 mm)

Excel SD-3 is available in multiple roll sizes ranging in width from 4.0 ft to 16.0 ft. and 50.0 ft to 450 ft in length. Standard roll sizes are 44.4 square yards, measuring 4.0 ft wide by 100.0 ft long. Custom roll sizes are available upon request.

Document # WE\_EXCEL\_SD3\_SPEC. This document has been developed to provide the characteristic properties of the product described. For questions, to request performance data or installation recommendations, contact Western Excelsior at 800-967-4009 or wexcotech@westernexcelsior.com. Updated 09/16/2011.