



Material Properties and Dimensions



Description

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel R-1 All Natural temporary Erosion Control Blanket (ECB) is composed of a 100% High Altitude Rocky Mountain Aspen Excelsior matrix mechanically (stitch) bonded on two inch centers to a single biodegradable, jute/scrim net. The excelsior matrix consists of curled, machine produced fibers with greater than eighty percent longer than six inches. Stitching is comprised of cotton thread. Excel R-1 All Natural blanket is available in natural color or dyed green and is recommended for use in channels or slopes requiring erosion protection for a period up to eighteen months. Actual field longevity is dependent on soil and climatic conditions.

Specifications

Each roll of EXCEL R-1 All Natural is manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness. Verified values are provided in Table 1 and product characteristics are provided in Tables 2 and 3. Values provided in Tables 1, 2 and 3 represent expected values at the time of manufacture. Installation instructions and performance data are available from Western Excelsior's Technical Support Division.

Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	9.0 (MD) 6.3 (TD)	lb/in
Elongation	ASTM D6818	20.0 (MD) 20.0 (TD)	%
Mass per Unit Area	ASTM D6475	11.5	oz/yd ²
Thickness	ASTM D6525	12.0	mm
Light Penetration	ASTM D6567	28	% open
Water Absorption	ASTM D1117	275	%

Top Net	Biodegradable Jute/Scrim (Leno Weave)
Bottom Net	N/A
Top Net Opening	0.50 in x 0.50 in (Nominal)
Bottom Net Opening	N/A

Style	Narrow	Wide
Roll Width	8 ft	N/A
Roll Length	112.5 ft	N/A
Coverage	100 yd ²	N/A
Roll Weight	81 lbs	N/A

Document # WE_EXCEL_R1AN_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 2/09.