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"Blanketing Nature With Nature"

Effective: 2/10/10

RE: Certificate of Conformance: *Excel SR-1*TM

To Whom it May Concern:

This letter is to certify that Western Excelsior manufactures the Rolled Erosion Control Product (RECP) marketed as EXCEL SR-1. Each blanket is subjected to Western Excelsior's Quality Assurance Program and is manufactured to the specifications listed in document number WE_EXCEL_SR1_SPEC. Further, Western Excelsior utilizes industry standardized test procedures to develop performance references for Excel SR-1. Document number WE_EXCEL_SR1_PERF presents the industry standardized testing and results. Installation instructions are provided in document numbers WE_EXCEL_SR1_SII and WE_EXCEL_SR1_CII for hill slope and channel installations, respectively. A copy of document number WE_EXCEL_SR1_SPEC is attached; all other documentation may be obtained by calling Western Excelsior Technical Services at 1-800-967-4009, at www.westernexcelsior.com or by email at wexcotech@westernexcelsior.com.

Regards,

A handwritten signature in black ink, appearing to read "Chad M. Lipscomb".

Chad M. Lipscomb, PE, CPESC
Director, Technical Services
Western Excelsior Corporation



Material Properties and Dimensions



Excel SR-1™

Description

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel SR-1 temporary Erosion Control Blanket is composed of a 100% certified weed free agricultural straw matrix mechanically (stitch) bonded on two inch centers to a single synthetic, photodegradable net. The net is secured to the top of the RECP to restrain the straw matrix once installed. Excel SR-1 blanket is intended for use in channels or on slopes requiring erosion protection for a period up to twelve months. Actual field longevity is dependent on soil and climatic conditions.

Specifications

Each roll of EXCEL SR-1 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	4.8 (MD), 4.8 (TD)	lb/in
Elongation	ASTM D6818	15 (MD), 20 (TD)	%
Mass per Unit Area	ASTM D6475	8.0	oz/yd ²
Thickness	ASTM D6525	7.0	mm
Light Penetration	ASTM D6567	22	% open
Water Absorption	ASTM D1117	450	%

Top Net	Synthetic Photo-degradable
Bottom Net	N/A
Top Net Opening	0.50" x 0.54" (Nominal)
Bottom Net Opening	N/A

Style	Narrow	Wide
Roll Width	7.5 ft	15.0 ft
Roll Length	120 ft	120 ft
Coverage	100 yd ²	200 yd ²
Roll Weight	55 lbs	110 lbs

Document # WE_EXCEL_SR1_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 02/10.