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"Blanketing Nature With Nature"

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Effective: 09/16/2011

RE: Certificate of Conformance: Excel SR-1™

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 hillslope 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](http://www.westernexcelsior.com) or by email at [wexcotech@westernexcelsior.com](mailto:wexcotech@westernexcelsior.com).

Regards,

A handwritten signature in black ink, appearing to read "Chad M. Lipscomb". The signature is written in a cursive, flowing style.

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

# MATERIAL PROPERTIES AND DIMENSIONS



## Specifications

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.

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 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	4.8 lb/in (0.8 kN/m) x 4.8 lb/in (0.8 kN/m)
Elongation (MD) x (TD)	ASTM D6818	15 % x 20 %
Mass Per Unit Area	ASTM D6475	8.0 oz/yd <sup>2</sup> (271 g/m <sup>2</sup> )
Thickness	ASTM D6525	0.28 in (7 mm)
Light Penetration	ASTM D6567	22 % open
Water Absorption	ASTM D1117	450 %

Table 2 - Netting

Top Net Type	Synthetic, Photodegradable
Bottom Net Type	N/A
Top Net Opening Dimensions	0.5 in (13 mm) x 0.5 in (13 mm)
Bottom Net Opening Dimensions	N/A

Excel SR-1 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.