



"Blanketing Nature With Nature"

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Effective: 6/27/2017

RE: Certificate of Conformance: Excel SD-3™

To Whom it May Concern:

This letter is to certify that Western Excelsior manufactures the Rolled Erosion Control Product (RECP) marketed as EXCEL SD-3. Each blanket is subjected to Western Excelsior's Quality Assurance Program and is manufactured to the specifications listed in document number WE\_EXCEL\_SD3\_SPEC. Further, Western Excelsior utilizes industry standardized test procedures to develop performance references for Excel SD-3. Document number WE\_EXCEL\_SD3\_PERF presents the industry standardized testing and results. Installation instructions are provided in document numbers WE\_EXCEL\_SD3\_SII and WE\_EXCEL\_SD3\_CII for hillslope and channel installations, respectively. A copy of document number WE\_EXCEL\_SD3\_SPEC is attached; all other documentation may be obtained by calling Western Excelsior Technical Services at 1-866-540-9810, 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 fluid and cursive, written in a professional style.

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



# 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 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	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.

The information contained herein may represent product index data, performance ratings, bench scale testing or other material utility quantifications. Each representation may have unique utility and limitations. Every effort has been made to ensure accuracy, however, no warranty is claimed and no liability shall be assumed by Western Excelsior Corporation (WEC) or its affiliates regarding the completeness, accuracy or fitness of these values for any particular application or interpretation. While testing methods are provided for reference, values shown may be derived from interpolation or adjustment to be representative of intended use. For further information, please feel free to contact WEC.