Chad Lipscomb, PE (CO), CPESC
Director, Technical Services
Western Excelsior Corporation
4609 E. Boonville-New Harmony Rd.
Evansville, IN 47725
(970) 682-4594 Direct (Voice/Text)
chad@westernexcelsior.com

"Blanketing Nature With Nature"

Effective: 6/27/2017

RE: Certificate of Conformance: Excel S-2 Rapid Go™

To Whom it May Concern:

     This letter is to certify that Western Excelsior manufactures the Rolled Erosion Control Product (RECP) marketed as EXCEL S-2 Rapid Go. Each blanket is subjected to Western Excelsior's Quality Assurance Program and is manufactured to the specifications listed in document number WE_EXCEL_S2RG_SPEC. Further, Western Excelsior utilizes industry standardized test procedures to develop performance references for Excel S-2 Rapid Go. Document number WE_EXCEL_S2RG_ PERF presents the industry standardized testing and results. Installation instructions are provided in document numbers WE_EXCEL_S2RG_SII and WE_EXCEL_S2RG_CII for hillslope and channel installations, respectively. A copy of document number WE_EXCEL_S2RG_SPEC is attached; all other documentation may be obtained by calling Western Excelsior Technical Services at 1-866-540-9810, at www.westernexcelsior.com or by email at wexcotech@westernexcelsior.com.

Regards,

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

Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel S-2 Rapid Go 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 photodegradable, synthetic net. The netting of the Excel S-2 Rapid Go ECB is treated to accelerate the degradation process.

The excelsior matrix consists of curled, machine produced fibers with greater than eighty percent longer than six inches. The nominal weight of the product is 0.98 pounds per square yard. Excel S-2 Rapid Go blanket is available in natural color or dyed green and is recommended for use in channels or slopes requiring erosion protection for a period of up to ninety days. Actual field longevity is dependent on soil and climatic conditions.

Each roll of Excel S-2 Rapid Go 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 properites are provided in Table 1 and netting characteristics are provided in Table 2.

Table 1- Specified Expected Values

Tested Property	Test Method	Value
Tensile Strength (MD) x (TD)	ASTM D6818	10.0 lb/in (1.8 kN/m) x 7.5 lb/in (1.3 kN/m)
Elongation (MD) x (TD)	ASTM D6818	15 % x 11 %
Mass Per Unit Area	ASTM D6475	11.5 oz/yd^2 (390 g/m^2)
Thickness	ASTM D6525	0.47 in (12 mm)
Light Penetration	ASTM D6567	28 % open
Water Absorption	ASTM D1117	275 %

Table 2 - Netting

Top Net Type	Synthetic, Rapid Photodegradable
Bottom Net Type	Synthetic, Rapid Photodegradable
Top Net Opening Dimensions	0.8 in (20 mm) x 1.0 in (25 mm)
Bottom Net Opening Dimensions	0.8 in (20 mm) x 1.0 in (25 mm)

Excel S-2 Rapid Go is available in multiple roll sizes ranging in width from 4.0 ft to 16.0 ft. and 45 ft to 600 ft in length. Standard roll sizes are 80 square yards, measuring 4.0 ft wide by 180.0 ft long or 8.0 ft wide by 90 ft long. Custom roll sizes are available upon request.