

# MATERIAL PROPERTIES AND DIMENSIONS



**EXCEL SS-2™**



## Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel SS-2 temporary Erosion Control Blanket is composed of a 100% certified weed free agricultural straw matrix mechanically (stitch) bound on two inch centers between two photodegradable, synthetic nets. Excel SS-2 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 SS-2 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  | 10.0 lb/in (1.8 kN/m) x 6.2 lb/in (1.1 kN/m)   |
| Elongation (MD) x (TD)       | ASTM D6818  | 20 % x 26 %                                    |
| 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               | Synthetic, Photodegradable      |
| Top Net Opening Dimensions    | 0.5 in (13 mm) x 0.5 in (13 mm) |
| Bottom Net Opening Dimensions | 0.5 in (13 mm) x 0.5 in (13 mm) |

Excel SS-2 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.

Document # WE\_EXCEL\_SS2\_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 09/16/2011.