



# 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% 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 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  | 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.

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.



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#### Ditch Checks

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- GeoRidge

#### Perimeter Protection

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- Safety Fence

#### Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

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- Blends
- Straw

#### High-Performance Hydraulically Applied Products

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- FGM
- Additives & Tackifiers

#### Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

#### Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

#### Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

#### Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

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- Strip Drain

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- Permeable Articulating Concrete Block
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