



Material Properties and Dimensions

Excel SR-1 All Natural™



Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel SR-1 All Natural temporary Erosion Control Blanket is composed of a weed free agricultural straw matrix mechanically (stitch) bonded on two inch centers to a single biodegradable, jute/scrim net. Straw utilized in manufacturing the SR-1 All Natural is weed free. Thread utilized in the construction of the blanket is biodegradable cotton. Excel SR-1 All Natural blanket is recommended for use in channels or 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 All Natural is made in the USA and manufactured under Western Excelsior's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness. Verifiable values 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 | 9.0 lb/in (1.6 kN/m) x 6.3 lb/in (1.1 kN/m) |
| Elongation (MD) x (TD) | ASTM D6818 | 20 % x 20 % |
| Mass Per Unit Area | ASTM D6475 | 8.0 oz/yd ² (271 g/m ²) |
| 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 | Biodegradable, Jute Scrim Leno Weave |
| Bottom Net Type | No Net |
| Top Net Opening Dimensions | 0.5 in (13 mm) x 1.0 in (25 mm) |
| Bottom Net Opening Dimensions | N/A |

Excel SR-1 All Natural 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.

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