MATERIAL PROPERTIES AND DIMENSIONS

EXCEL R-2™

Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel R-2 temporary Erosion Control Blanket is composed of a 100% machine produced High Altitude Rocky Mountain Aspen Excelsior matrix mechanically (stitch) bound on two inch centers between two photodegradable, synthetic nets.

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 0.73 pounds per square yard. Excel R-2 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 fifteen months. Actual field longevity is dependent on soil and climatic conditions.

Each roll of Excel R-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 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	9.1 oz/yd^2 (308 g/m^2)
Thickness	ASTM D6525	0.33 in (8 mm)
Light Penetration	ASTM D6567	37 % open
Water Absorption	ASTM D1117	275 %

Table 2 - Netting

Top Net Type	Synthetic, Photodegradable
Bottom Net Type	Synthetic, 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 R-2 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.