



# Material Properties and Dimensions

## Excel R-2 Rapid Go™



## Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Excel R-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 R-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 0.73 pounds per square yard. Excel R-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 fifteen months. Actual field longevity is dependent on soil and climatic conditions.

Each roll of Excel R-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 properties 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 <sup>2</sup> (308 g/m <sup>2</sup> )
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 R-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.

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