

MATERIAL PROPERTIES AND DIMENSIONS



* Patent Pending



Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Tackmat_x All Natural temporary Erosion Control Blanket is composed of a 100% machine produced High Altitude Rocky Mountain Aspen Excelsior matrix mechanically (stitch) bonded on two inch centers to a single biodegradable, jute/scrim net. The excelsior matrix consists of curled, machine produced fibers with greater than eighty percent longer than six inches. Tackmat_x All Natural is treated with a erosion control performance enhancing polyacrylamide. When installed, the polyacrylamide is deployed to the soil surface and the interaction of treated soil and excelsior fibers provides enhanced erosion control. Tackmat_x All Natural is available in natural color or dyed green and recommended for use in channels or slopes requiring erosion protection for a period up to fifteen months. Actual field longevity is dependent on soil and climatic conditions.

Each roll of Tackmat_x 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. 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	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	0.35 in (9 mm)
Light Penetration	ASTM D6567	35 % open
Water Absorption	ASTM D1117	250 %

Table 2 - Netting

Top Net Type	Biodegradable, Jute Scrim Leno Weave
Bottom Net Type	N/A
Top Net Opening Dimensions	0.5 in (13 mm) x 1.0 in (25 mm)
Bottom Net Opening Dimensions	N/A

Tackmat_x All Natural is available in multiple roll sizes ranging in width from 8.0 ft to 16.0 ft. and 90 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.