



Material Properties and Dimensions



Specifications

Western Excelsior manufactures a full line of Rolled Erosion Control Products (RECPs). Tackmat_s All Natural is a temporary Erosion Control Blanket is composed of a 100% weed free agricultural wheat straw matrix mechanically (stitch) bonded on two inch centers to a single jute/ scrim biodegradable net. Tackmat_s All Natural is treated with a erosion control performance enhancing, natural, biodegradable tackifier. When installed, the tackifier is deployed to the soil surface and the interaction of treated soil and straw fibers provides enhanced erosion control. Tackmat_s All Natural is available in natural color and 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 Tackmat_s 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	0.28 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

Tackmat_s 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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