

MATERIAL PROPERTIES AND DIMENSIONS



* Patent Pending



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% certified 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 properities 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 | N/A |
| 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.