

W Netfree

Specification Sheet

The W Netfree (Wood - Netfree) erosion control blanket (ECB) consists of a specific cut of seed free Great Lakes Aspen curled wood excelsior with 80% of fibers ≥ 6 inches in length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the blanket. W NetFree is 100% biodegradable.

Product Nomenclature & Properties

W = 100% wood excelsior
Netfree = netfree

Index & Bench Scale Testing

Test Description	Test Method	Test Results
Thickness	ASTM D6525	0.39 in (9.9 mm)
Light Penetration	ASTM D6567	38.00%
Resiliency	ASTM D6524	66.00%
Mass per Unit Area	ASTM D6475	0.64 lb/yd ² (347 g/m ²)
MD - Tensile Strength (max.)	ASTM D6818	158.4 lb/ft (2.3 kN/m)
TD - Tensile Strength (max.)	ASTM D6818	14.5 lb/ft (0.21 kN/m)
MD - Elongation	ASTM D6818	14.00%
TD - Elongation	ASTM D6818	7.70%
Swell	ECTC Procedure	96.00%
Water Absorption	ASTM D1117/ECTC	278.00%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 6.14 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 7.21 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 8.47 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	1.9 lb/ft ² @ 0.5" soil loss
Germination Improvement	ECTC Method 4	535%

Design Values

- "C" factor = 0.063
- Shear Stress (Unvegetated) = 1.00 lbs/ft² (48 Pa)
- Velocity (Unvegetated) = 3.0 ft/s (0.9 m/s)
- Functional Longevity*: ≤ 18 months

*Functional Longevity varies from region to region because of differences in climatic conditions.

Standard Roll Details

Width 2.4m (8ft) Standard
 Length 27.4m (90.0ft)
 Area 66.9m² (80yd²)
 Weight* 26.5kg (58.4lb)
 Fiber Count $\approx 8,400$ per m² ($\approx 7,000$ per yd²)
 Fiber Length (80% min.) ≥ 15.2 cm (≥ 6.0 in)

* Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.