American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

Product Participant of:

CURLEX® II FIBRENET™ PRODUCT DATA SHEET

DESCRIPTION

Curlex II FibreNet erosion control blanket (ECB) consists of a specific cut of seed free Great Lakes Aspen curled wood excelsior with 80% six-inch fibers or greater fiber length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with 100% biodegradable Jute netting. The product is 100% biodegradable. Curlex II FibreNet is also available as QuickGRASS® (Dyed Green). ECB shall be Manufactured in the U.S.A.

Curlex II FibreNet has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1.5:1. Curlex II FibreNet is rated for channel flows up to 9.0 ft/s (2.7 m/s) and 2.25 lb/ft^2 (108 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex II FibreNet measurements at time of manufacturing:

Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	101.25 ft (30.9 m)	101.25 ft (30.9 m)
Area	45.0 yd^2 (37.6 m^2)	90.0 yd^2 (75.3 m^2)
Weight*	32.9 lb (14.9 kg)	65.7 lb (29.8 kg)
Fiber Count	≈7,000 per yd^2 (≈8,400 per m^2)	≈7,000 per yd^2 (≈8,400 per m^2)
Fiber Length (80% min.)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)	0.73 lb/yd^2 (0.40 kg/m^2)	0.73 lb/yd^2 (0.40 kg/m^2)
Net Openings	≈ 1.0 in x 0.5 in (25.4 mm x 12.7 mm)	≈ 1.0 in x 0.5 in (25.4 mm x 12.7 mm)

TYPICAL INDEX VALUES**

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.43 in (10.9 mm)
Light Penetration	ASTM D 6567	31.7%
Mass per Unit Area	ASTM D 6475	0.57 lb/yd^2 (309 g/m^2)
MD-Tensile Strength Max.	ASTM D 6818	265.2 lb/ft (3.9 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	165.6 lb/ft (2.4 kN/m)
MD-Elongation	ASTM D 6818	4.4%
TD-Elongation	ASTM D 6818	4.9%
Water Absorption	ASTM D 1117/ECTC	380%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 7.8 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 14.0 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 25.2 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	2.79 lb/ft^2 @ 0.5" soil loss
Germination Improvement	ECTC Method 4	581%

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

** SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. Bench-scale index values should not be used for design purposes.

MADE IN THE U.S.A

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