American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

PRODUCT DATA SHEET
CURLEX® III FIBRENET™

DESCRIPTION

Curlex III FibreNet erosion control blanket (ECB) consists of a specific cut of naturally 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 III FibreNet is also available as QuickGRASS® (green pigment). Curlex III FibreNet shall be manufactured in the U.S.A.

Curlex III FibreNet has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1H:1V. Curlex III FibreNet is rated for channel flows up to 10.0 ft/s (3.1 m/s) and 2.5 lb/ft^2 (120 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex III FibreNet measurements at time of manufacturing:

Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	90.0 ft (27.4 m)	90.0 ft (27.4 m)
Area	40.0 yd^2 (33.4 m^2)	80.0 yd^2 (66.9 m^2)
Weight[1]	39.2 lb (17.8 kg)	78.4 lb (35.6 kg)
Fiber Count	≈9,400 per yd^2 (≈11,280 per m^2)	≈9,400 per yd^2 (≈11,280 per m^2)
Fiber Length (80% min.)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)	0.98 lb/yd^2 (0.53 kg/m^2)	0.98 lb/yd^2 (0.53 kg/m^2)
Net Openings	≈ 0.5 in x 1.0 in (12.7 mm x 25.4 mm)	≈ 0.5 in x 1.0 in (12.7 mm x 25.4 mm)

TYPICAL INDEX VALUES

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.43 in (10.9 mm)
Light Penetration	ASTM D 6567	14.8%
Mass per Unit Area	ASTM D 6475	1.09 lb/yd^2 (595 g/m^2)
MD-Tensile Strength Max.	ASTM D 6818	226.8 lb/ft (3.31 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	183.6 lb/ft (2.68 kN/m)
MD-Elongation	ASTM D 6818	10.5%
TD-Elongation	ASTM D 6818	15.9%
Water Absorption	ASTM D 1117/ECTC	198%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 11.29 @ 2 in/hr [2,3]
Bench-Scale Rain Splash	ECTC Method 2	SLR = 19.19 @ 4 in/hr [2,3]
Bench-Scale Rain Splash	ECTC Method 2	SLR = 32.61 @ 6 in/hr [2,3]
Bench-Scale Shear	ECTC Method 3	3.46 lb/ft^2 @ 0.5 in soil loss [3]
Germination Improvement	ECTC Method 4	390%

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

[2] SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. [3] Bench-scale index values should not be used for design purposes.

MADE IN THE U.S.A

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