



PRODUCT DATA SHEET CURLEX® I FIBRENET™

DESCRIPTION

Curlex I 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 of each blanket is covered with 100% biodegradable jute netting. The product is 100% biodegradable when biodegradable thread is ordered. Curlex I FibreNet is also available as QuickGRASS® (green pigment). Curlex I FibreNet shall be manufactured in the U.S.A.

Curlex I FibreNet has a design soil loss ratio (event-based RUSLE C factor) of .018 and is typically suitable for slopes up to 2H:1V. Curlex I FibreNet is rated for channel flows up to 7.0 ft/s (2.1 m/s) and 1.75 lb/ft² (84 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex I FibreNet measurements at time of manufacturing:

	4.0 ft (1.2 m)	8.0 ft (2.4 m)	16.0 ft (4.9 m)
Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)	16.0 ft (4.9 m)
Length	101.25 ft (30.9 m)	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)	180.0 yd ² (150.5 m ²)
Weight^a	32.9 lb (14.9 kg)	65.7 lb (29.8 kg)	131.4 lb (59.6 kg)
Fiber Count	≈7,000 per yd ² (≈8,400 per m ²)	≈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)	≥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)	0.73 lb/yd ² (0.40 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)	≈ 0.5 in x 1.0 in (12.7 mm x 25.4 mm)

TYPICAL INDEX VALUES

<u>Index Property</u>	<u>Test Method</u>	<u>Value</u>
Thickness	ASTM D 6525	0.281 in (7.14 mm)
Light Penetration	ASTM D 6567	29.9%
Mass per Unit Area	ASTM D 6475	0.626 lb/yd ² (0.340 kg/m ²)
MD-Tensile Strength Max.	ASTM D 6818	187.2 lb/ft (2.73 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	81.6 lb/ft (1.19 kN/m)
MD-Elongation	ASTM D 6818	14.8%
TD-Elongation	ASTM D 6818	13.8%
Water Absorption	ASTM D 1117/ECTC	273%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 5.50 @ 2 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 5.83 @ 4 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 6.17 @ 6 in/hr ^{b,c}
Bench-Scale Shear	ASTM D 7207	2.60 lb/ft ² @ 0.5 in soil loss ^c
Germination Improvement	ASTM D 7322	790%

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

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

