



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. 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:

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)
Weight¹	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	≈ 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	0.401 in (10.2 mm)
Light Penetration	ASTM D 6567	42.4%
Mass per Unit Area	ASTM D 6475	0.57 lb/yd ² (309 g/m ²)
MD-Tensile Strength Max.	ASTM D 6818	144 lb/ft (2.1 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	82.8 lb/ft (1.2 kN/m)
MD-Elongation	ASTM D 6818	16.4%
TD-Elongation	ASTM D 6818	13.3%
Water Absorption	ASTM D 1117/ECTC	204%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 6.83 @ 2 in/hr ^{2,3}
Bench-Scale Rain Splash	ECTC Method 2	SLR = 8.53 @ 4 in/hr ^{2,3}
Bench-Scale Rain Splash	ECTC Method 2	SLR = 10.65 @ 6 in/hr ^{2,3}
Bench-Scale Shear	ECTC Method 3	2.6 lb/ft ² @ 0.5 in soil loss ³
Germination Improvement	ECTC Method 4	589%

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.

