

CURLEX[®] I CL PRODUCT DATA SHEET

DESCRIPTION

Curlex I CL 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 of each blanket is covered with degradable polypropylene netting. ECB shall be Manufactured in the U.S.A.

Curlex I CL has a design soil loss ratio (event-based RUSLE C factor) of .039 and is typically suitable for slopes up to 2.5:1. Curlex I CL is rated for channel flows up to 5.0 ft/s (1.5 m/s) and 1.60 lb/ft² (77 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex I CL measurements at time of manufacturing:

Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)	12.0 ft (3.7 m)	16.0 ft (4.9 m)
Length	150.0 ft (45.7 m)	150.0 ft (45.7 m)	150.0 ft (45.7 m)	150.0 ft (45.7 m)
Area	66.7 yd ² (55.7 m ²)	133.3 yd ² (111.5 m ²)	200.0 yd ² (167.2 m ²)	266.7 yd ² (223.0 m ²)
Weight*	33.4 lb (15.1 kg)	66.7 lb (30.3 kg)	100.0 lb (45.4 kg)	133.4 lb (60.5 kg)
Fiber Count	≈4,800 per yd ² (≈5,760 per m ²)	≈4,800 per yd ² (≈5,760 per m ²)	≈4,800 per yd ² (≈5,760 per m ²)	≈4,800 per yd ² (≈5,760 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)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)	0.50 lb/yd ² (0.27 kg/m ²)	0.50 lb/yd ² (0.27 kg/m ²)	0.50 lb/yd ² (0.27 kg/m ²)	0.50 lb/yd ² (0.27 kg/m ²)
Net Openings	1.0 in x 2.0 in (25.4 mm x 50.8 mm)	1.0 in x 2.0 in (25.4 mm x 50.8 mm)	1.0 in x 2.0 in (25.4 mm x 50.8 mm)	1.0 in x 2.0 in (25.4 mm x 50.8 mm)

TYPICAL INDEX VALUES**

<u>Index Property</u>	<u>Test Method</u>	<u>Value</u>
Thickness	ASTM D 6525	0.382 in (9.70 mm)
Light Penetration	ASTM D 6567	47.4%
Mass per Unit Area	ASTM D 6475	0.40 lb/yd ² (216 g/m ²)
MD-Tensile Strength Max.	ASTM D 6818	87.6 lb/ft (1.28 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	30.0 lb/ft (0.44 kN/m)
MD-Elongation	ASTM D 6818	30.0%
TD-Elongation	ASTM D 6818	25.9%
Swell	ECTC Procedure	52%
Water Absorption	ASTM D 1117/ECTC	189%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 5.18 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 5.72 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 6.31 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	1.71 lb/ft ² @ 0.5" soil loss
Germination Improvement	ECTC Method 4	586%

* 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.

