



## PRODUCT DATA SHEET **CURLEX® III**

### DESCRIPTION

Curlex III 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 black net. Curlex III is also available as QuickGRASS® (green pigment). Curlex III shall be manufactured in the U.S.A.

Curlex III 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 is rated for channel flows up to 10.0 ft/s (3.1 m/s) and 2.5 lb/ft<sup>2</sup> (120 Pa) shear stress.

### PHYSICAL PROPERTIES

Curlex III measurements at time of manufacturing:

<b>Width</b>	4.0 ft (1.2 m)	8.0 ft (2.4 m)	16 ft (4.9 m)
<b>Length</b>	90.0 ft (27.4 m)	90.0 ft (27.4 m)	90.0 ft (27.4 m)
<b>Area</b>	40.0 yd <sup>2</sup> (33.4 m <sup>2</sup> )	80.0 yd <sup>2</sup> (66.9 m <sup>2</sup> )	160.0 yd <sup>2</sup> (133.8 m <sup>2</sup> )
<b>Weight<sup>a</sup></b>	39.2 lb (17.8 kg)	78.4 lb (35.6 kg)	156.8 lb (71.2 kg)
<b>Fiber Count</b>	≈9,400 per yd <sup>2</sup> (≈11,280 per m <sup>2</sup> )	≈9,400 per yd <sup>2</sup> (≈11,280 per m <sup>2</sup> )	≈9,400 per yd <sup>2</sup> (≈11,280 per m <sup>2</sup> )
<b>Fiber Length (80% min.)</b>	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
<b>Mass per Unit Area (± 10%)</b>	0.98 lb/yd <sup>2</sup> (0.53 kg/m <sup>2</sup> )	0.98 lb/yd <sup>2</sup> (0.53 kg/m <sup>2</sup> )	0.98 lb/yd <sup>2</sup> (0.53 kg/m <sup>2</sup> )
<b>Net Openings</b>	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	0.46 in (11.68 mm)
Light Penetration	ASTM D 6567	20.5%
Resiliency	ASTM D 1777/ECTC	53%
Mass per Unit Area	ASTM D 6475	0.76 lb/yd <sup>2</sup> (0.412 kg/m <sup>2</sup> )
MD-Tensile Strength Max.	ASTM D 6818	139.2 lb/ft (2.03 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	60.0 lb/ft (0.88 kN/m)
MD-Elongation	ASTM D 6818	36.7%
TD-Elongation	ASTM D 6818	29.5%
Swell	ECTC Procedure	56%
Water Absorption	ASTM D 1117/ECTC	230%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 10.14 @ 2 in/hr <sup>b,c</sup>
Bench-Scale Rain Splash	ASTM D 7101	SLR = 11.01 @ 4 in/hr <sup>b,c</sup>
Bench-Scale Rain Splash	ASTM D 7101	SLR = 11.97 @ 6 in/hr <sup>b,c</sup>
Bench-Scale Shear	ASTM D 7207	3.78 lb/ft <sup>2</sup> @ 0.5 in soil loss <sup>c</sup>
Germination Improvement	ASTM D 7322	615%

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

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

