

## PRODUCT DATA SHEET CURLEX® II CL

### DESCRIPTION

Curlex II CL 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 degradable polypropylene netting. Curlex II CL is also available as QuickGRASS® (green pigment). Curlex II CL shall be manufactured in the U.S.A.

Curlex II CL has a design soil loss ratio (event-based RUSLE C factor) of .050 and is typically suitable for slopes up to 1.5H:1V. Curlex II CL is rated for channel flows up to 7.3 ft/s (2.2 m/s) and 1.80 lb/ft<sup>2</sup> (86 Pa) shear stress.

### PHYSICAL PROPERTIES

Curlex II CL measurements at time of manufacturing:

|                                       |  |  |  |
|---------------------------------------|--|--|--|
| <b>Width</b>                          | 4.0 ft (1.2 m)   | 8.0 ft (2.4 m)   | 16.0 ft (4.9 m)  |
| <b>Length</b>                         | 150.0 ft (45.7 m)  | 150.0 ft (45.7 m)  | 150.0 ft (45.7 m)  |
| <b>Area</b>                           | 66.7 yd <sup>2</sup> (55.7 m <sup>2</sup> )                | 133.3 yd <sup>2</sup> (111.5 m <sup>2</sup> )              | 266.7 yd <sup>2</sup> (223.0 m <sup>2</sup> )              |
| <b>Weight<sup>a</sup></b>             | 36.7 lb (16.6 kg)  | 73.3 lb (33.3 kg)  | 146.7 lb (65.5 kg)   |
| <b>Fiber Count</b>                    | ≈4,800 per yd <sup>2</sup><br>(≈5,760 per m <sup>2</sup> ) | ≈4,800 per yd <sup>2</sup><br>(≈5,760 per m <sup>2</sup> ) | ≈4,800 per yd <sup>2</sup><br>(≈5,760 per m <sup>2</sup> ) |
| <b>Fiber Length<br/>(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<br/>(± 10%)</b> | 0.55 lb/yd <sup>2</sup><br>(0.30 kg/m <sup>2</sup> )       | 0.55 lb/yd <sup>2</sup><br>(0.30 kg/m <sup>2</sup> )       | 0.55 lb/yd <sup>2</sup><br>(0.30 kg/m <sup>2</sup> )       |
| <b>Net Openings</b>                   | 1.0 in x 2.0 in<br>(25.4 mm x 50.8 mm)                     | 1.0 in x 2.0 in<br>(25.4 mm x 50.8 mm)                     | 1.0 in x 2.0 in<br>(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        | 0.364 in (9.25 mm)                                      |
| Light Penetration        | ASTM D 6567        | 44%   |
| Mass per Unit Area       | ASTM D 6475        | 0.40 lb/yd <sup>2</sup> (0.217 kg/m <sup>2</sup> )      |
| MD-Tensile Strength Max. | ASTM D 6818        | 128.4 lb/ft (1.87 kN/m)                                 |
| TD-Tensile Strength Max. | ASTM D 6818        | 45.6 lb/ft (0.67 kN/m)                                  |
| MD-Elongation            | ASTM D 6818        | 38.9%   |
| TD-Elongation            | ASTM D 6818        | 23.1%   |
| Swell                    | ECTC Procedure     | 49%   |
| Water Absorption         | ASTM D 1117/ECTC   | 189%  |
| Bench-Scale Rain Splash  | ECTC Method 2      | SLR = 7.06 @ 2 in/hr <sup>b,c</sup>                     |
| Bench-Scale Rain Splash  | ECTC Method 2      | SLR = 5.94 @ 4 in/hr <sup>b,c</sup>                     |
| Bench-Scale Rain Splash  | ECTC Method 2      | SLR = 5.00 @ 6 in/hr <sup>b,c</sup>                     |
| Bench-Scale Shear        | ECTC Method 3      | 1.95 lb/ft <sup>2</sup> @ 0.5 in soil loss <sup>c</sup> |
| Germination Improvement  | ECTC Method 4      | 429%  |

<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.

