



**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/ft<sup>2</sup> (84 Pa) shear stress.

**PHYSICAL PROPERTIES**

Curlex I FibreNet measurements at time of manufacturing:

|                                       |  |  |
|---------------------------------------|--|--|
| <b>Width</b>                          | 4.0 ft (1.2 m)   | 8.0 ft (2.4 m)   |
| <b>Length</b>                         | 101.25 ft (30.9 m)   | 101.25 ft (30.9 m)   |
| <b>Area</b>                           | 45.0 yd <sup>2</sup> (37.6 m <sup>2</sup> )                | 90.0 yd <sup>2</sup> (75.3 m <sup>2</sup> )                |
| <b>Weight<sup>a</sup></b>             | 32.9 lb (14.9 kg)  | 65.7 lb (29.8 kg)  |
| <b>Fiber Count</b>                    | ≈7,000 per yd <sup>2</sup><br>(≈8,400 per m <sup>2</sup> ) | ≈7,000 per yd <sup>2</sup><br>(≈8,400 per m <sup>2</sup> ) |
| <b>Fiber Length<br/>(80% min.)</b>    | ≥6.0 in (≥15.2 cm)   | ≥6.0 in (≥15.2 cm)   |
| <b>Mass per Unit Area<br/>(± 10%)</b> | 0.73 lb/yd <sup>2</sup><br>(0.40 kg/m <sup>2</sup> )       | 0.73 lb/yd <sup>2</sup><br>(0.40 kg/m <sup>2</sup> )       |
| <b>Net Openings</b>                   | ≈ 0.5 in x 1.0 in<br>(12.7 mm x 25.4 mm)                   | ≈ 0.5 in x 1.0 in<br>(12.7 mm x 25.4 mm)                   |

**TYPICAL INDEX VALUES**

| <b>Index Property</b>    | <b>Test Method</b> | <b>Value</b>   |
|--------------------------|--------------------|--|
| 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 <sup>2</sup> (0.309 kg/m <sup>2</sup> )     |
| 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 <sup>b,c</sup>                    |
| Bench-Scale Rain Splash  | ECTC Method 2      | SLR = 8.53 @ 4 in/hr <sup>b,c</sup>                    |
| Bench-Scale Rain Splash  | ECTC Method 2      | SLR = 10.65 @ 6 in/hr <sup>b,c</sup>                   |
| Bench-Scale Shear        | ECTC Method 3      | 2.6 lb/ft <sup>2</sup> @ 0.5 in soil loss <sup>c</sup> |
| Germination Improvement  | ECTC Method 4      | 589%   |

<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.

