



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/ft² (120 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex III measurements at time of manufacturing:

| | | | |
|---------------------------------------|---|---|---|
| Width | 4.0 ft (1.2 m) | 8.0 ft (2.4 m) | 16 ft (4.9 m) |
| Length | 90.0 ft (27.4 m) | 90.0 ft (27.4 m) | 90.0 ft (27.4 m) |
| Area | 40.0 yd ² (33.4 m ²) | 80.0 yd ² (66.9 m ²) | 160.0 yd ² (133.8 m ²) |
| Weight^a | 39.2 lb (17.8 kg) | 78.4 lb (35.6 kg) | 156.8 lb (71.2 kg) |
| Fiber Count | ≈9,400 per yd ² (≈11,280 per m ²) | ≈9,400 per yd ² (≈11,280 per m ²) | ≈9,400 per yd ² (≈11,280 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) |
| Mass per Unit Area (± 10%) | 0.98 lb/yd ² (0.53 kg/m ²) | 0.98 lb/yd ² (0.53 kg/m ²) | 0.98 lb/yd ² (0.53 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) |

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 ² (0.412 kg/m ²) |
| 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 ^{b,c} |
| Bench-Scale Rain Splash | ASTM D 7101 | SLR = 11.01 @ 4 in/hr ^{b,c} |
| Bench-Scale Rain Splash | ASTM D 7101 | SLR = 11.97 @ 6 in/hr ^{b,c} |
| Bench-Scale Shear | ASTM D 7207 | 3.78 lb/ft ² @ 0.5 in soil loss ^c |
| Germination Improvement | ASTM D 7322 | 673% |

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

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

