

CURLEX® III PRODUCT DATA SHEET

DESCRIPTION

Curlex III 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 and bottom of each blanket is covered with heavy duty black net. Curlex III is also available as QuickGRASS® (Dyed Green). ECB 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 1:1. Curlex III is rated for channel flows up to 10.5 ft/s (3.2 m/s) and 3.0 lb/ft² (144 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)
Length	135.0 ft (41.1 m)	67.5 ft (20.6 m)
Area	60.0 yd ² (50.2 m ²)	60.0 yd ² (50.2 m ²)
Weight*	75.0 lb (34.1 kg)	75.0 lb (34.1 kg)
Fiber Count	≈12,000 per yd ² (≈14,400 per m ²)	≈12,000 per yd ² (≈14,400 per m ²)
Fiber Length (80% min.)	≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)	1.25 lb/yd ² (0.68 kg/m ²)	1.25 lb/yd ² (0.68 kg/m ²)
Net Openings	0.75 in x 0.75 in (19.1 mm x 19.1 mm)	0.75 in x 0.75 in (19.1 mm x 19.1 mm)

TYPICAL INDEX VALUES**

<u>Index Property</u>	<u>Test Method</u>	<u>Value</u>
Thickness	ASTM D 6525	0.48 in (12.2 mm)
Light Penetration	ECTC Procedure	20%
Resiliency	ASTM D 1777/ECTC	59%
Mass per Unit Area	ASTM D 6475	0.98 lb/yd ² (532 g/m ²)
MD-Tensile Strength Max.	ASTM D 6818	254.4 lb/ft (3.7 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	175.2 lb/ft (2.6 kN/m)
MD-Elongation	ASTM D 6818	19.9%
TD-Elongation	ASTM D 6818	26.5%
Swell	ECTC Procedure	46%
Water Absorption	ASTM D 1117/ECTC	200%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 11.77 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 15.26 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 19.77 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	3.6 lb/ft ² @ 0.5" soil loss
Germination improvement	ECTC Method 4	489%

* 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.

