



EROSION CONTROL
TECHNOLOGY COUNCIL
ESTD: 1992
DIRECTING MEMBER



PRODUCT DATA SHEET **CURLEX® II (.98)**

DESCRIPTION

Curlex II .98 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 .98 is also available as QuickGRASS® (green pigment). Curlex II .98 shall be manufactured in the U.S.A.

Curlex II .98 has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1H:1V. Curlex II .98 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 II .98 measurements at time of manufacturing:

Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)	16.0 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 yd² (33.4 m²)	80.0 yd² (66.9 m²)	160.0 yd² (133.8 m²)
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 yd² (≈11,280 per m²)	≈9,400 per yd² (≈11,280 per m²)	≈9,400 per yd² (≈11,280 per m²)
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/yd² (0.53 kg/m²)	0.98 lb/yd² (0.53 kg/m²)	0.98 lb/yd² (0.53 kg/m²)
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	0.251 in (6.38 mm)
Light Penetration	ASTM D 6567	16.6%
Resiliency	ASTM D 1777/ECTC	53%
Mass per Unit Area	ASTM D 6475	0.824 lb/yd² (0.447 kg/m²)
MD-Tensile Strength Max.	ASTM D 6818	134.4 lb/ft (1.96 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	42.0 lb/ft (0.61 kN/m)
MD-Elongation	ASTM D 6818	26.9%
TD-Elongation	ASTM D 6818	23.8%
Swell	ECTC Procedure	56%
Water Absorption	ASTM D 1117/ECTC	279%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 15.84 @ 2 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 19.32 @ 4 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 15.17 @ 6 in/hr ^{b,c}
Bench-Scale Shear	ASTM D 7207	2.60 lb/ft² @ 0.5 in soil loss ^c
Germination Improvement	ASTM D 7322	Pass

^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.

