



PRODUCT DATA SHEET CURLEX® II

DESCRIPTION

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

Curlex II has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1.5H:1V. Curlex II is rated for channel flows up to 9.0 ft/s (2.7 m/s) and 2.25 lb/ft² (108 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex II 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	112.5 ft (34.29 m)	112.5 ft (34.29 m)	112.5 ft (34.29 m)
Area	50.0 yd ² (41.8 m ²)	100.0 yd ² (83.6 m ²)	200.0 yd ² (167.2 m ²)
Weight^a	36.5 lb (16.6 kg)	73.0 lb (33.1 kg)	146.0 lb (66.2 kg)
Fiber Count	≈7,000 per yd ² (≈8,400 per m ²)	≈7,000 per yd ² (≈8,400 per m ²)	≈7,000 per yd ² (≈8,400 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%)	0.73 lb/yd ² (0.40 kg/m ²)	0.73 lb/yd ² (0.40 kg/m ²)	0.73 lb/yd ² (0.40 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	0.327 in (8.31 mm)
Light Penetration	ASTM D 6567	29.5%
Resiliency	ASTM D 6524	64%
Mass per Unit Area	ASTM D 6475	0.66 lb/yd ² (0.358 kg/m ²)
MD-Tensile Strength Max.	ASTM D 6818	148.8 lb/ft (2.17 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	39.6 lb/ft (0.58 kN/m)
MD-Elongation	ASTM D 6818	28.3%
TD-Elongation	ASTM D 6818	22.7%
Swell	ECTC Procedure	89%
Water Absorption	ASTM D 1117/ECTC	228%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 9.50 @ 2 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 10.29 @ 4 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 8.45 @ 6 in/hr ^{b,c}
Bench-Scale Shear	ASTM D 7207	2.86 lb/ft ² @ 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.





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ASP ENTERPRISES

aspent.com

salesasp@aspent.com

ST. LOUIS

1099 Cassens Industrial Ct.
St. Louis, MO 63026
636-343-4357

KANSAS CITY

5301 E 59th St.
Kansas City, MO 64130
816-554-1191

OMAHA

15263 Cooper St.
Omaha, NE 68138
402-861-8579

WICHITA

316-393-1554

WENTZVILLE

1906 E Service Rd. HWY 61 N
Wentzville, MO 63385
636-445-9090

QUICK SUPPLY CO.

quicksupplyco.com

salesquick@quicksupplyco.com

DES MOINES

6620 NW Toni Dr.
Des Moines, IA 50313
515-289-1271

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com

salesbcs@bowmanconstructionsupply.com

DENVER

10801 E. 54th Ave.
Denver, CO 80239
303-696-8960

COLORADO SPRINGS

2445 Wayside Ct.
Colorado Springs, CO 80915
719-257-7840

LOVELAND

4495 Woods Ave.
Loveland, CO 80538
970-535-0863

CASCADE GEOSYNTHETICS

cascadageos.com

salescascade@cascadageos.com

PORTLAND

3610 N. Suttle Rd. Bldg B
Portland, OR 97217
971-339-1020

SALT LAKE CITY

425 N. Neil Armstrong Rd.
Salt Lake City, UT 84116
435-276-0820

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