American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

PRODUCT DATA SHEET
CURLEX® II CL

DESCRIPTION

Curlex II CL erosion control blanket (ECB) consists of a specific cut of naturally seed free Great Lakes Aspen curled wood excelsior. 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 CL is also available as QuickGRASS® (green pigment). Curlex II CL shall be manufactured in the U.S.A.

Curlex II CL has a design soil loss ratio (event-based RUSLE C factor) of .050 and is typically suitable for slopes up to 1.5H:1V. Curlex II CL is rated for channel flows up to 7.3 ft/s (2.2 m/s) and 1.80 lb/ft^2 (86 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex II CL 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	150.0 ft (45.7 m)	150.0 ft (45.7 m)	150.0 ft (45.7 m)
Area	66.7 yd^2 (55.7 m^2)	133.3 yd^2 (111.5 m^2)	266.7 yd^2 (223.0 m^2)
Weight[a]	36.7 lb (16.6 kg)	73.3 lb (33.3 kg)	146.7 lb (65.5 kg)
Mass per Unit Area (± 10%)	0.55 lb/yd^2 (0.30 kg/m^2)	0.55 lb/yd^2 (0.30 kg/m^2)	0.55 lb/yd^2 (0.30 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

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.248 in (6.30 mm)
Light Penetration	ASTM D 6567	38.3%
Mass per Unit Area	ASTM D 6475	0.456 lb/yd^2 (0.247 kg/m^2)
MD-Tensile Strength Max.	ASTM D 6818	133.3 lb/ft (1.95 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	43.2 lb/ft (0.63 kN/m)
MD-Elongation	ASTM D 6818	26.7%
TD-Elongation	ASTM D 6818	24.1%
Swell	ECTC Procedure	49%
Water Absorption	ASTM D 1117/ECTC	229%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 5.83 @ 2 in/hr [b,c]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 6.34 @ 4 in/hr [b,c]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 6.93 @ 6 in/hr [b,c]
Bench-Scale Shear	ASTM D 7207	2.10 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.

MADE IN THE U.S.A

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