American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

PRODUCT DATA SHEET
CURLEX® I CL

DESCRIPTION

Curlex I 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 of each blanket is covered with degradable polypropylene netting. Curlex I CL is also available as QuickGRASS® (green pigment). Curlex I CL shall be manufactured in the U.S.A.

Curlex I CL has a design soil loss ratio (event-based RUSLE C factor) of .039 and is typically suitable for slopes up to 2H:1V. Curlex I CL is rated for channel flows up to 5.0 ft/s (1.5 m/s) and 1.60 lb/ft^2 (77 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex I 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)
Mass per Unit Area[a] (± 15%)	0.50 lb/yd^2 (0.27 kg/m^2)	0.50 lb/yd^2 (0.27 kg/m^2)	0.50 lb/yd^2 (0.27 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	0.298 in (7.57 mm)
Light Penetration	ASTM D 6567	25.9%
Mass per Unit Area	ASTM D 6475	0.502 lb/yd^2 (0.272 kg/m^2)
MD-Tensile Strength Max.	ASTM D 6818	82.8 lb/ft (1.21 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	21.6 lb/ft (0.32 kN/m)
MD-Elongation	ASTM D 6818	29.3%
TD-Elongation	ASTM D 6818	21.6%
Swell	ECTC Procedure	52%
Water Absorption	ASTM D 1117/ECTC	267%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 9.25 @ 2 in/hr [b,c]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 6.78 @ 4 in/hr [b,c]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 13.09 @ 6 in/hr [b,c]
Bench-Scale Shear	ASTM D 7207	1.84 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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