American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

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. 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/ft^2 (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)
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

Index Property	Test Method	Value
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.

MADE IN THE U.S.A

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