

DeWitt Excelsior Erosion Control Blanket

DeWitt Excelsior Erosion Control Blanket (ECB) consist of a specific cut of natural seed free 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. Each blanket features either a single or double sided degradable polypropylene netting. DeWitt Excelsior Erosion Control Blanket is also available in a dyed Green color. DeWitt Excelsior Erosion Control Blanket shall be manufactured in the U.S.A. DeWitt Excelsior Erosion Control Blanket has a design soil loss ratio (event-based RUSLE C factor) of .05 and is typically suitable for slopes up to 1.5H:1V. DeWitt Excelsior Erosion Control Blanket is rated for channel flow up to 7.3 ft/s (2.2 m/d) and 1.80 lb/ft² (86PA) shear stress.

PHYSICAL PROPERTIES

DeWitt Excelsior Erosion Control Blanket 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)
Fiber Count	≈4,800 per yd ² (≈5,760 per m ²)	≈4,800 per yd ² (≈5,760 per m ²)	≈4,800 per yd ² (≈5,760 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%)	0.55 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 PROPERTIES	TEST METHOD	VALUE
Thickness	ASTM D 6525	0.364 in (9.25 mm)
Light Penetration	ASTM D 6567	44%
Mass per Unit Area	ASTM D 6475	0.40 lb/yd ² (0.217 kg/m ²)
MD-Tensile Strength Max.	ASTM D 6818	128.4 lb/ft (1.87 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	45.6 lb/ft (0.67 kN/m)
MD-Elongation	ASTM D 6818	78.9%
TD-Elongation	ASTM D 6818	23.1%
Swell	ECTC Procedure	49%
Water Absorption	ASTM D 1117/ECTC	2100%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 5.82 @ 2 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 6.35 @ 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 ^b
Germination Improvement	ASTM D 7322	429%

^aWeight is based on a dry fiber weight basis at the time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%. ^bSLR is the soil Loss Ratio, as reported by NTPEP/AASHTO. ^cBench-scale index values should not be used for design purposes.

^{*}At the time of manufacturing. Handling may change these properties.

Date: 06/01/23. This data sheet supersedes all previously issued data. The above properties are typical averages.