



AEC PREMIER COCONUT™ PRODUCT DATA SHEET

DESCRIPTION

AEC Premier Coconut erosion control blanket (ECB) consists of coconut fibers. The fibers are evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with HV polypropylene netting. ECB shall be Manufactured in the U.S.A.

AEC Premier Coconut has a design soil loss ratio (event-based RUSLE C factor) of .10 and is typically suitable for slopes up to 1:1. AEC Premier Coconut 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

AEC Premier Coconut measurements at time of manufacturing:

Width	8.0 ft (2.4 m)
Length	112.5 ft (34.3 m)
Area	100.0 yd ² (83.6 m ²)
Weight*	50.0 lb (22.7 kg)
Mass per Unit Area (± 10%)	0.50 lb/yd ² (0.27 kg/m ²)
Net Openings	0.75 in x 0.75 in (19.1 mm x 19.1 mm)

TYPICAL INDEX VALUES**

<u>Index Property</u>	<u>Test Method</u>	<u>Value</u>
Thickness	ASTM D 1777	0.28 in (7.11 mm)
Light Penetration	ASTM D 6567	23.1%
Resiliency	ASTM D 6524	83%
Mass per Unit Area	ASTM D 6475	0.40 lb/yd ² (215 g/m ²)
MD-Tensile Strength Max.	ASTM D 6818	313.2 lb/ft (4.59 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	171.6 lb/ft (2.51 kN/m)
MD-Elongation	ASTM D 6818	29.0%
TD-Elongation	ASTM D 6818	44.0%
Swell	ECTC Procedure	20.3%
Water Absorption	ASTM D 1117/ECTC	234%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 12.67 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 14.66 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 16.96 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	2.44 lb/ft ² @ 0.5" soil loss
Germination Improvement	ECTC Method 4	414%

* Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of AEC Premier Coconut fibers is 20%.

** SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. Bench-scale index values should not be used for design purposes.

