PRODUCT DATA SHEET
AEC PREMIER COCONUT™ FIBRENET™

DESCRIPTION

AEC Premier Coconut FibreNet 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 100% biodegradable jute netting. The product is 100% biodegradable. AEC Premier Coconut FibreNet shall be manufactured in the U.S.A.

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

AEC Premier Coconut FibreNet 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[1]	50.0 lb (22.7 kg)
Mass per Unit Area (± 10%)	0.50 lb/yd^2 (0.27 kg/m^2)
Net Openings	≈ 0.5 in x 1.0 in (12.7 mm x 25.4 mm)

TYPICAL INDEX VALUES

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.294 in (7.47 mm)
Light Penetration	ASTM D 6567	19.4%
Mass per Unit Area	ASTM D 6475	0.57 lb/yd^2 (307 g/m^2)
MD-Tensile Strength Max.	ASTM D 6818	356.4 lb/ft (5.20 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	169.2 lb/ft (2.47 kN/m)
MD-Elongation	ASTM D 6818	3.2%
TD-Elongation	ASTM D 6818	4.3%
Water Absorption	ASTM D 1117/ECTC	334%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 12.61 @ 2 in/hr [2,3]
Bench-Scale Rain Splash	ECTC Method 2	SLR = 17.95 @ 4 in/hr [2,3]
Bench-Scale Rain Splash	ECTC Method 2	SLR = 25.55 @ 6 in/hr [2,3]
Bench-Scale Shear	ECTC Method 3	2.56 lb/ft^2 @ 0.5 in soil loss [3]
Germination Improvement	ECTC Method 4	496%

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

[2] SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. [3] Bench-scale index values should not be used for design purposes.