



Performance Specifications WF-20SBB Erosion Control Blankets

100% Straw Erosion Control Blankets consist of 100% straw fiber mechanically bound and covered on both sides by biodegradable natural fiber netting. The straw fiber is homogeneously blended and evenly distributed throughout the blanket. The netting is biodegradable natural fiber with mesh openings of approximately .50 X 1.00 inches. The blanket is sewn on approximately 1.5 in. centers with biodegradable thread.

TEST METHOD - DESCRIPTION	PARAMETERS	TEST RESULTS
ASTM D 6818 – Ultimate Tensile MD Strength/Stain TD	Index Test	132.8 lb/ft @ % 25.1 90.6 lb/ft @ % 22.9
ASTM D 4595 – Wide Width MD Strength/Strain TD	Index Test	122.7 lb/ft @ % 32.1 84.3 lb/ft @ % 26.1
ASTM D 6525 – Thickness	Index Test	0.353 inches
ASTM D 6475 – Mass per Unit Area	Index Test	11.2 oz/sq.yd.
ASTM D 6567 – Ground Cover / Light Penetration	Index Test	91.2 % / % 8.8
ASTM D 1117 & ECTC-TASC 00197 Water Absorption	Index Test	553 %
ECTC – TASC 00197 – Swell	Index Test	21 %
ASTM D 6524 – Resiliency	Index Test	- 36 %
ASTM D 792 – Specific Gravity Net Only	Index Test	0.899 g/cm ³
ECTC – TASC 00197 – Smolder Resistance	Index Test	Yes
ASTM D 6575 – Stiffness	Index Test	1931 mg-cm
ECTC Method 2 – Determination of Unvegetated RECP Ability to Protect Soil From Rain Splash and Associated Runoff Under Bench Scale Conditions.	50 mm (2 in) / hr for 30 min.	Soil Loss Ratio* = 13.31
	100 mm (4 in) / hr for 30 min.	Soil Loss Ratio* = 11.79
	150 mm (6 in) / hr for 30 min.	Soil Loss Ratio* = 9.83
ECTC Method 3 – Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically – Induced Shear Stresses Under Bench Scale Conditions.	Shear: 1.27 psf for 30 min.	Soil Loss = 158.9 g
	Shear: 1.81 psf for 30 min.	Soil Loss = 323.0 g
	Shear: 2.41 psf for 30 min.	Soil Loss = 1093.2 g
	Soil loss curve intercept =	1.89 psf @ ½ - in soil loss
ECTC Draft Method 4 – Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth.	Top Soil; Fescue (Kentucky 31); 21 day incubation; 27 ±2 & approximately 45±5% RH	% Improvement = 587% (increased biomass)

* Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis)

Revised 05/01/2009 Supersedes all previous versions

