



**MATERIALS DATA SHEET**

**Product Name:** Single Net Excelsior MATERIALS DATA SHEET

**Manufacturer:** GEI Works

**Physical Description:**

Size: Available in 4' & 8' widths; varied lengths

Netting: 1 layer of .5" x .5" opening, approximately 15 lbs/1000 yd<sup>2</sup> photodegradable, green polypropylene plastic.

Thread: 600 denier degradable split yarn

Matrix: 100% Excelsior wood fiber, .73 lbs/yd<sup>2</sup>

Packaging: All rolls are wrapped tightly with stretch wrap to protect the rolled erosion control product from the weather and elements.

Special Features: 4" folded edge on both sides of the 4' & 8' folded and 1 cut on the 8' creating a stronger blanket and a cleaner edge.

**Recommended Applications:** Recommended for use on slopes up to 3:1 and in low flow channels.  
**Recommended Installation pattern:** The leading edge is to be trenched into a 6" deep trench and the blanket is to be placed parallel to the anticipated water flow. When more than 1 blanket is required, they are to be overlapped 6" on all overlapping sides and tiled in a shingle type pattern as to not let the water underneath the blanket.

Test Method - Description	Parameters	Test Result
ASTM D 6475 - Mass per Unit Area	Index Test	8.33 oz/sq.yd.
ASTM D 6818 – Ultimate Tensile Strength / Strain - TD	Index Test	10.3 lb/in @ % 28.1
		4.9 lb/in @ % 23.0
ASTM D 6525 – Thickness	Index Test	334 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	72.8 % / % 27.2
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	152 %
ASTM D 7101 - 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* = 7.71
	100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio* = 6.43
	150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio* = 5.37
ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 0.88 psf for 30 min.	Soil Loss = 191.7 g
	Shear: 1.68 psf for 30 min.	Soil Loss = 565.0 g
	Shear: 3.27 psf for 30 min.	Soil Loss = 1280.0 g
	Soil loss curve intercept =	1.76 psf @ 1/2-in soil loss
ASTM D 7322 - 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	% of Control
		= 406%
		(increased biomass)

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