



## MATERIAL SPECIFICATIONS TRINET® STRAW/COCONUT

### Materials:

70% Agricultural Straw  
30% Coconut  
Polypropylene Netting  
Stitching Thread

### Roll Sizes:

Width:	8.0 ft (2.4 m)	16 ft (4.9 m)
Length:	90.0 ft (27.4 m)	90.0 ft (27.4 m)
Area:	80.0 yd <sup>2</sup> (66.9 m <sup>2</sup> )	160.0 yd <sup>2</sup> (133.8 m <sup>2</sup> )
Weight:	64.48 lb (29.248 kg)	128.96 lb (58.495 kg)

### Description:

TriNet Straw/Coconut a three-dimensional biocomposite Turf Reinforcement Mat (TRM) is a natural, stitched cover material designed to enhance germination, reduce slope and/or channel erosion, and reinforce vegetation. TriNet Straw/Coconut rolls are stretch wrapped to protect against the elements prior to installation, and may be ordered in Master-Paks banded together to minimize handling requirements. TriNet Straw/Coconut shall be manufactured in the U.S.A.

TriNet Straw/Coconut has a design soil loss ratio (event-based RUSLE C factor) of .026 and is typically suitable for slopes up to .5H:1V. TriNet Straw/Coconut is rated for channel flows up to 15.0 ft/s (4.57 m/s) and 10.0 lb/ft<sup>2</sup> (480 Pa) shear stress.

### Physical Properties:

Fiber:	70% Agricultural Straw, 30% Coconut
Fiber Size:	80% of straw fibers a minimum of 3 in (7.62 cm) long
Straw/Coconut Matrix <sup>a</sup> :	0.500 lb/yd <sup>2</sup> (0.271 kg/m <sup>2</sup> ) ± 10%
Product Weight <sup>a</sup> :	0.806 lb/yd <sup>2</sup> (0.437 kg/m <sup>2</sup> ) ± 10%
Thread Pattern:	No more than 2.0 in (5.1 cm) transverse stitch spacing
Net Material:	Top – Heavy Duty (UV-Stabilized) Middle Net – Ultra Heavy Duty (UV-Stabilized) Bottom – Heavy Duty (UV-Stabilized)
Net Openings:	Top – 0.5 in wide x 0.51 in long (12.7 mm x 13.0 mm) Middle – 0.45 in wide x 0.58 in long (11.43 mm x 14.73 mm) Bottom – 0.5 in wide by 0.51 in long (12.7 mm x 13.0 mm)
Net Configuration:	Top, middle, and bottom

<sup>a</sup> Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Straw and Coconut fibers are 15% and 20%, respectively.





**MANUFACTURER'S CERTIFICATION**  
**TRINET® STRAW/COCONUT – Turf Reinforcement Mat**

**Manufacturer:**

American Excelsior Company  
831 Pioneer Avenue  
Rice Lake, WI 54868  
1-866-9FIBERS (1-866-934-2377)

**Project Information (if applicable):**

**Name:**

**Location:**

**Number:**

**Statement**

We hereby certify that the above referenced material is manufactured to meet or exceed the following specification:

Fiber:	70% Agricultural Straw, 30% Coconut
Fiber Size:	80% of straw fibers a minimum of 3 in (7.62 cm) long
Blanket Length:	-0 ft (m), + 5% (upon application)
Blanket Width:	-0 in (mm) + 1.0 in (25.4 mm)
Straw/Coconut Matrix <sup>a</sup> :	0.500 lb/yd <sup>2</sup> (0.271 kg/m <sup>2</sup> ) ± 10%
Product Weight <sup>a</sup> :	0.806 lb/yd <sup>2</sup> (0.437 kg/m <sup>2</sup> ) ± 10%
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TJ 4.4

Tony Johnson – V.P. of Wood Operations

Effective Date

**Note:** This Certification expires, without notice, if document is updated by American Excelsior Company (AEC). Current Material Specifications and Manufacture's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.

