



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 ² (66.9 m ²)	160.0 yd ² (133.8 m ²)
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 permanently 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/ft² (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 ^a :	0.500 lb/yd ² (0.271 kg/m ²) ± 10%
Product Weight ^a :	0.806 lb/yd ² (0.437 kg/m ²) ± 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

^a 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 ^a :	0.500 lb/yd ² (0.271 kg/m ²) ± 10%
Product Weight ^a :	0.806 lb/yd ² (0.437 kg/m ²) ± 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

^a 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.

Rocky Van Gilder – 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 at all times.

