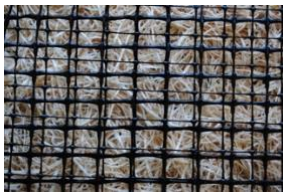
Product Description

TriNet® Family of TRMs

Turf Reinforcement Mats

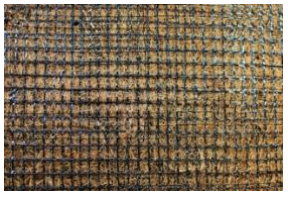
Long-term turf reinforcement mats, for long-term protection against wind and water erosion, are a natural choice in place of stone or riprap in swales, ditch bottoms, and on long, steep slopes.

Material Characteristics



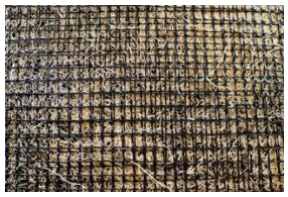
TriNet® Straw/Coconut

A blend of 70% straw and 30% coconut fibers and two layers of heavy duty UV stabilized netting (top and bottom) with an ultra-heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Straw/Coconut is a biocomposite turf reinforcement mat (TRM).



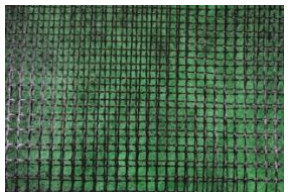
TriNet® Coconut

Coconut fibers and two layers of super heavy duty UV stabilized netting (top and bottom) with an ultra heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Coconut is a biocomposite turf reinforcement mat (TRM).



TriNet® Curlex®

Great Lakes Aspen Excelsior Wood Fibers and two layers of ultra heavy duty black UV stabilized netting (top and middle) with a super heavy duty polypropylene (UV-stabilized) netting (bottom) designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Curlex is a biocomposite turf reinforcement mat (TRM).



TriNet® Recyclex®

100% recycled synthetic fibers and two layers of ultra heavy duty UV stabilized netting (top and bottom) with an ultra heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Recyclex is a turf reinforcement mat (TRM).

Performance Capabilities

TriNet family of TRMs can handle wind and water on steep slopes. These heavy-duty TRMs provide long-term protection in critical areas where vegetation alone requires extra protection from shear stress forces.

Product	Grade (Slopes)	Shear Stress Rating (Channels)
TriNet Straw/Coconut	up to .5H:1V	480 Pa (10.0 lb/ft²) (vegetated)
TriNet Coconut	up to .5H:1V	575 Pa (12 lb/ft²) (vegetated)
TriNet Curlex	up to .5H:1V	622 Pa (13 lb/ft²) (vegetated)
TriNet Recyclex	up to .5H:1V	670 Pa (14 lb/ft²) (vegetated)

Suggested Specifications

Choosing the Right TriNet TRM Product

These heavy-duty TRMs are available in a variety of fiber types and netting combinations to match the appropriate job site requirements. The TriNet family of TRM's three-dimensional matrices are specifically designed to provide long-term surface support and/or structural support for vegetation root systems.

Installation: Before installing TriNet TRMs, the seedbed shall be inspected by the Owner's Representative to ensure it has been properly compacted and fine graded to remove any existing rills. Itshall be free of obstructions, such as tree roots, projections such as stones, and other foreign objects. Grass seed shall match soil conditions to allow for maximum germination, dense vegetation, and a structural root system. Contractor shall proceed when satisfactory conditions are present. After the area has been properly shaped, seeded, fertilized, and compacted, locate the start of the roll, making sure the roll is facing toward the area to be covered, and then roll out the TRM. TriNet TRMs shall be rolled out flat, even, and smooth without stretching the material then anchored to the subgrade.

Slopes: It is recommended the TRM be installed vertically on the slope; however, on short slopes, it may be more practical to install horizontally across the width of the application when agreed upon by the Engineer prior to installation. If more than one width is required, overlap the edges of the vertically installed TRMs and secure the TRMs with a common row of staples. TriNet TRMs shall be trenched at the head of the slope if the blanket cannot be extended three feet over the slope crest or if an overland flow is anticipated from upslope areas.

Channels: TriNet TRMs shall be centered to offset a seam in the middle of the waterway. They shall be installed in the same direction as the water flow. The adjoining TRMs shall be installed away from the center of the channel and overlapped. TriNet TRM installation should continue up the side slopes three feet above the anticipated high water elevation. Flanks exposed to runoff, or sheet flow, must be trenched in. TriNet TRM shall be trenched at the start of channels. TriNet TRM shall be anchored using a staggered staple pattern at end of roll overlaps and end of roll terminations.

TriNet Straw/Coconut Specifications

Recommended Use:	Slopes to .5H:1V, channel bottom applications Shear stress 480 Pa (10.0 lb/ft²) (vegetated)
Roll Sizes:	80 yd² (8 ft x 90 ft), 160 yd² (16 ft x 90 ft)
Straw/Coco Matrix[a]:	0.500 lb/yd²
Product Weight[a]:	0.770 lb/yd²
Netting:	Top – Heavy Duty Black Middle - Ultra Heavy Duty Black Bottom - Heavy Duty Black

TriNet Coconut Specifications

Recommended Use:	Slopes to .5H:1V, channel bottom applications Shear stress 575 Pa (12.0 lb/ft²) (vegetated)
Roll Sizes:	80 yd² (8 ft x 90 ft), 160 yd² (16 ft x 90 ft)
Coconut Matrix[a]:	0.500 lb/yd²
Product Weight[a]:	0.833 lb/yd²
Netting:	Top – Super Heavy Duty Black Middle – Ultra Heavy Duty Black Bottom – Super Heavy Duty Black

TriNet Curlex Specifications

Recommended Use:	Slopes to .5H:1V, channel bottom applications Shear stress 622 Pa (13.0 lb/ft²) (vegetated)
Roll Sizes:	60 yd² (8 ft x 67.5 ft), 120 yd² (16 ft x 67.5 ft)
Curlex Fiber Matrix[a]:	0.730 lb/yd²
Product Weight[a]:	1.167 lb/yd²
Netting:	Top – Ultra Heavy Duty Black Middle – Ultra Heavy Duty Black Bottom – Super Heavy Duty Black

TriNet Recyclex Specifications

Recommended Use:	Slopes to .5H:1V, channel bottom applications Shear stress 670 Pa (14.0 lb/ft²) (vegetated)
Roll Sizes:	60 yd² (8 ft x 67.5 ft), 120 yd² (16 ft x 67.5 ft)
Recyclex Matrix[a]:	0.500 lb/yd²
Product Weight[a]:	1.040 lb/yd²
Netting:	Top – Ultra Heavy Duty Black Middle – Ultra Heavy Duty Black Bottom – Ultra Heavy Duty Black

[a]Weight is based on a dry fiber weight basis at the time of manufacture. Baseline moisture content of Straw, Coconut, and Great Lakes Aspen excelsior are 15%, 20%, and 22%, respectively.

850 Avenue H E
Arlington, TX 76011

Phone: 800-777-SOIL
www.Curlex.com

American Excelsior Company®