American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

TRINET™ STRAW/COCONUT BIOCOMPOSITE TURF REINFORCEMENT MAT (TRM) INSTALLATION GUIDELINES

Before installing TriNet Straw/Coconut biocomposite turf reinforcement mat (TRM), 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. It shall be free of obstructions, such as tree roots, projections such as stones, and other foreign objects. The contractor shall proceed when satisfactory conditions are present. After the area has been properly shaped, seeded, fertilized, and compacted, TriNet Straw/Coconut TRM shall be removed from the protective cover. Next, locate the start of the TRM, making sure the roll is facing toward the area to be covered, and then roll out the TRM. The TRM shall be rolled out flat, even, and smooth without stretching the material.

Slopes: It is recommended the turf reinforcement mat 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 blankets and secure them with a common row of staples. TriNet Straw/Coconut erosion control blankets shall be trenched at the head of the slope if the TRM cannot be extended three feet over the slope crest or if overland flow is anticipated from upslope areas.

Channels: TriNet Straw/Coconut turf reinforcement mat 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 channel and overlapped. 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 Straw/Coconut turf reinforcement mats shall be trenched at the start of the channel. TriNet Straw/Coconut shall be anchored using a staggered staple pattern at end of roll overlaps and end of roll terminations.

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