



NEW!

### Tensar® TriAx™ Geogrid Technology Improves Vmax<sup>3</sup>™ High-Strength Product

Thanks to a development team with a combined experience level of over 150 years in manufacturing Tensar® Geogrids, we have successfully re-engineered the geogrid structure by creating a revolutionary new product: TriAx™ Geogrid. With its unique triangular structure, TriAx Geogrid represents a revolutionary advancement in geogrid technology. Its multi-directional properties leverage the triangular geometry, one of nature's most stable shapes, to provide a new level of in-plane stiffness. The transition from a rectangular to a triangular grid aperture, coupled with an increase in rib thickness and junction efficiency, offers the construction industry a better alternative to conventional materials and practices.

And that advancement is now part of North American Green's composite turf reinforcement mats.

### Vmax<sup>3</sup>™ P550TX Permanent Turf Reinforcement Mat

For maximum reinforced vegetation in place of hard armor, North American Green's P550TX is the ultra-high strength TRM. Comprised of a permanent, ultra-high strength, three-dimensional matting structure incorporated with a 100% polypropylene fiber matrix, it is designed to provide both long-term, pre-vegetated erosion protection and permanent turf reinforcement in a wide variety of applications.

The P550TX TRM has all the same characteristics of the P550 TRM, but with the addition of TriAx Geogrid, it has a higher tensile strength for *extreme* vegetation reinforcement situations.

### Benefits of Using Vmax<sup>3</sup>™ P550TX Instead of "Conventional" TRMs

- Higher tensile strength for increased performance compared to NAG's P550.
- Increased strength for use in high-load conditions and where durability is of concern.
- More economical than rock or concrete at less than 1/3 the installed cost!
- Easier to install and requires no heavy equipment.
- Recognized and emphasized by the U.S. EPA as a preferred Best Management Practice when compared to rock riprap in meeting the NPDES regulations.
- Unlike "hard" rock, poured concrete and articulated concrete blocks (ACBs), Vmax<sup>3</sup> TRMs provide "soft" protection that poses no threats to pedestrians and/or automobiles when used near travel routes.
- Provides natural filter for runoff water by allowing infiltration, entrapping sediments and absorbing harmful pollutants – a clear advantage over hard armor.
- Offers flexible lining that won't crack and deteriorate like concrete.
- Provides a natural, aesthetically pleasing and ecologically functional "green" landscape.

Ultra-High Strength  
TriAx™ Geogrid

3-D  
Corrugated  
Center Net

Polypropylene  
Matrix Material

Ultra-High  
Strength  
Bottom Net

For more information contact North American Green or your authorized distributor today by calling (800) 772-2040, e-mailing [customerservice@nagreen.com](mailto:customerservice@nagreen.com) or visiting [www.nagreen.com](http://www.nagreen.com).



A *tensar* Company

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[www.nagreen.com](http://www.nagreen.com)



# P550TX

## High Performance Turf Reinforcement Mat (HPTRM) Typical Applications and Uses

- Roadside Channel/swale/slope applications where conventional TRMs are subject to damage from vehicular traffic
- River/streambanks where TRMs are subject to damage from ice flows and flotsam
- Levee protection requiring both permanent erosion control and shallow soil stability (with percussion earth anchors)
- Shallow slope (vener) stabilization and erosion control (with percussion earth anchors)
- Construction of reinforced soil lifts for bioengineering streambank protection



<i>P550TX HPTRM / Soil Stabilization Mat</i>		
<i>Features</i>		<i>Benefits</i>
<b>Roll Size</b>	6.5ft x 55.5ft (40 SYs, 52lbs)	Same size and weight as standard P550 for ease of installation with small crews
<b>Color</b>	Dark Green or Tan Fibers	Blends with vegetation or natural earth
<b>Composition</b>	Vmax P550 TRM with Triaxially oriented geogrid reinforcement on top side	Long lasting, flexible and resistant to UV degradation and physical damage
<b>Installation Method</b>	Surface Applied without Soil Infilling	Provides maximum soil surface protection and vegetation reinforcement <u>without</u> difficult and expensive soil infill procedure required by other HPTRMs. Infilled soil in HPTRMs is prone to erosion without supplemental surface protection.
<b>Thickness (in)</b>	0.7	Greater thickness than woven-filament HPTRMs means increased separation of soil surface from flow induced shear stress, and more interaction of mat structure with vegetation.
<b>Tensile Strength (lbs/ft)</b>	2,088 x 1,764	Triax geogrid is designed for use in subgrade stabilization of high traffic roadways, lending sufficient strength and damage resistance to P550TX under the most stressful site conditions. P550TX is constructed for greater damage resistance against vehicular traffic, ice-flow and water carried debris.
<b>UV Stability</b>	100%	Excellent long-term durability, even in sparse vegetative conditions