

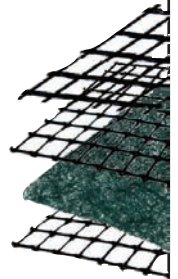
P500 TERM

High-Tensile Turf/Earth Reinforcement Mats

EROSION CONTROL Products • *Guaranteed* **SOLUTIONS**

Tensar's North American Green High-Tensile Turf/Earth Reinforcement Mats

The P500 Turf/Earth Reinforcement Mat (TERM) is designed to control erosion and reinforce vegetation in high-load and severe erosion applications. The P500 TERM features easy installation with no soil infilling required, yet offers the high-tensile strength needed in certain high-impact river, canal, and levee stabilization projects. When combined with Tensar's North American Green Earth Anchors, the P500 TERM forms a flexible armoring system that controls erosion, reinforces vegetation and stabilizes the earth in the most extreme situations.



P500 TERM System Features and Benefits

- Higher tensile strength for increased durability in high-load conditions and veneer stabilization
- Combination of high strength geogrid, heavy UV-stabilized nets, and permanent polypropylene fiber matrix
- Stitched matrix allows for surface application without soil infilling and does not impede vegetation growth like some woven monofilament TRMs.
- Surface application dramatically reduces installation time, labor and cost
- Easy to install with no heavy equipment required
- Offers flexible lining that won't crack and deteriorate like concrete, creating a more economical design
- Provides an aesthetically pleasing, natural, "green" soft-armor solution



Applications for P500 TERM System

- Roadside channel / swale / slope applications where conventional TRMs are subject to damage from vehicular traffic or maintenance equipment
- Rivers and canals where TRMs are subject to damage from ice and/or debris flows
- Levee protection requiring both permanent erosion control and shallow soil stability
- Shallow slope (veneer) stabilization and erosion control
- Construction of reinforced soil lifts for bioengineering streambank protection



P500 TERM Properties

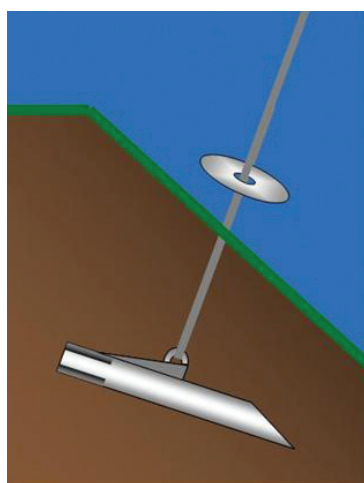
Property	Test Method	Units
Mass/Unit Area	ASTM D6566	26.94 oz/yd ² (914 g/m ²)
Thickness	ASTM D6525	0.50 in. (12.7 mm)
Tensile Strength	ASTM D6818	3168 x 4752 lbs/ft (47.0 x 70.5 kN/m)
UV Resistance	ASTM D4355	> 90%

Earth Anchors

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Tensar's North American Green Earth Anchor Technology

Earth Anchors (EA), manufactured exclusively for Tensar's North American Green erosion control product line, can offer a system that controls erosion and reinforces vegetation in the most extreme situations – especially when combined with turf/earth reinforcement mats (TERMs). The North American Green Earth Anchors reach deep into the soil strata to offer enhanced anchoring in the worst conditions.



How Do Earth Anchors Work?

The corrosion resistant earth anchors increase the mechanical strength of the veneer both during installation and use. The earth anchors are connected to a stainless steel or galvanized tendon which extends to the surface and is secured with a plate that anchors the TRM. The surface plate exerts a load on the anchor that compresses the soil above the anchor and provides resistance to further anchor movement.

Benefits of North American Green Earth Anchors

- Durable, flexible anchoring
- Withstand extreme hydraulic stresses
- Protect under storm surge conditions
- Can be used in adverse soil conditions
- Easy installation with no heavy equipment

Earth Anchor Size

				EA 400		EA 680	
		Fast Install	Economic Anchor	Stainless	Galvanized	Stainless	Galvanized
End Piece Options with a PVC Face Plate	Tendon Type ($\frac{3}{32}$ in. x 36 in.)	Assembly Description					
	Copper Stop Sleeve with Stainless Steel Washer	Manually crimped to the stainless steel cable to secure the face plate.					
	Grip End Piece with Stainless Steel Washer	Three-dimensional, self-securing metal end piece that does not require manual crimping for tendon tensioning.					
	Wedge Grip Piece	Self-securing end piece that installs flush to the face plate. Does not require manual crimping for tendon tensioning.					
	Aluminum Stop Sleeve with Stainless Steel Washer	Manually crimped to the galvanized cable to secure the face plate.					

Distributed By:

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