

ShoreMax™

Soft Revetment Scour Protection Mat

What is ShoreMax ?

ShoreMax™ is a patent-pending soft revetment scour protection mat designed as mechanical protection over highly erosive areas. *ShoreMax* provides protection against much higher shear stresses and velocities than turf reinforcement mats (TRMs) alone. The *ShoreMax* system is comparable to hard armor products such as rock rip rap and articulated concrete blocks in turbulent flow and wave attack applications.

ShoreMax is a unique, highly flexible UV stabilized rubber mat designed with voids to allow vegetation establishment through the mat, or natural infilling of sediment. *ShoreMax* is a versatile product that should be used in conjunction with other erosion control products such as turf reinforcement mats above water lines and geotextiles below normal water lines.



Typical Applications and Uses for ShoreMax

- Shoreline protection along rivers, streams, and lakes
- Boat docking areas
- High flow channel bottoms and bends
- Stormwater pipe inlets and outlets
- Curb outfalls and downspouts
- Over-flow structures like levees and spillways
- Bridge abutments
- Anywhere extra scour protection is needed!



The flexible interlock system of the *ShoreMax* allows for easy installation in adverse conditions. *ShoreMax* can be installed with different fasteners including percussion earth anchors, standard wire staples, or rebar stakes.

For more information contact North American Green or your authorized distributor today by calling (800) 772-2040, emailing customerservice@nagreen.com or visiting www.nagreen.com.



Tensar

**NORTH
AMERICAN
GREEN®**

North American Green
5401 St. Wendel-Cynthiana Rd.
Poseyville, Indiana 47633
(800) 772-2040
(812) 867-6632

www.nagreen.com

ShoreMax™

Features and Benefits Chart

ShoreMax Soft Revetment and Scour Protection Mat		
Features		Benefits
Panel Size	3ft x 5ft (15 SF), 40 lbs	Suitable for easy, one-person installations without heavy equipment
Composition	UV Stabilized Rubber	Long lasting, highly flexible and resilient
Color	Dark Green/Tan	Blends with vegetation or natural earth
Specific Gravity	1.45	Non-buoyant and remains submerged in turbulent flow. HDPE transition mats with specific gravities less than 1.0 are subject to floating in submerged conditions.
Flexural Rigidity	1.97 IN-LBs	More flexible than most TRMs to aid in conformance and allow for installation with standard staples, fabric pins or stakes (dependent upon soil type and application). Many HDPE mats are very rigid and <u>require</u> expensive earth anchors to conform to underlying surface.
Unit Weight (LBs/SF)	2.6	Relatively high unit weight in conjunction with excellent flexibility facilitates self conformance to underlying surface
Thickness (IN)	0.75	3/4 inch deep cells provide greater separation between underlying surface and flow induced shear stress than 1/2 inch transition mats.
Opening Size (IN)	1.00	Smaller diameter cell openings than other transition mats for reduced underlying surface exposure to flow induced shear stress.
"Gripper" Lugs on Mat Bottom	Yes	Unlike the smooth bottom surface of HDPE mats, 1/3 inch lugs extending from bottom of ShoreMax mat protrude into underlying material to prevent horizontal shifting and separation from TRM or geotextile.
Integrated Panel Interlock System	Yes	Interlocking edges simplify seaming adjacent panels together and help prevent seam separation
Resilient, Anti-Slip Surface	Yes	Enables workers to safely walk on and install, even in wet conditions. Also allows for use along shorelines where boats may be docked on shore. Reduces the hazards of slipping compared to smooth HDPE mats.
Easy to Cut with Standard Equipment	Yes	Simple to customize panel size for installation on corners, channel bends and shoreline curvatures. Does not require power tools for cutting like harder, more rigid transition mats.

Performance Properties

Installation Properties