



REVETMAX™
FLEXIBLE REVETMENT

Specification Sheet – ShoreMax® Transition Mat

DESCRIPTION

The North American Green® ShoreMax® Transition Mat shall be a resilient rubber mat with surface texture and multi-nib backing. It shall have a large hole drainage system with aperture openings approximately 1.25 in. (3.18 cm) in diameter. ShoreMax Mat is a transition mat used as biotechnical replacement for hard armor. ShoreMax Mat is mechanically anchored and is a flexible matting that can be linked together. ShoreMax Mat can provide erosion control in highly erosive areas, including shorelines, and can be used in conjunction with rolled erosion control products.

Material Content

Matting	100% UV-stabilized natural rubber	2.00 lb/ft ² (10 kg/m ²)
Color	Dark green	

Standard Roll Sizes

Width	3.0 ft (1.0 m)
Length	5.0 ft (1.5 m)
Weight ± 10%	30 lb (13.61 kg)
Area	1.67 yd ² (1.39 m ²)

Design Permissible Shear Stress

TRM Underlayment Type and Phase	Maximum Permissible Shear Stress	Maximum Flow Velocity
SC250	Unvegetated	7.5 psf
	Vegetated	10.0 psf
C350	Unvegetated	8.0 psf
	Vegetated	12.0 psf
P550	Unvegetated	8.5 psf
	Vegetated	14.0 psf

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.75 in. (19.0 mm)
Density	ASTM D792	1.628 oz/in ³
Mass/Unit Area	ASTM D6566	2.00 lb/ft ² (10 kg/m ²)
UV Stability	ASTM D4355/ 1000 hr	90-100%
Ground Cover	ASTM D6567	79.3%
Light Penetration	ASTM D6567	20.7%
Hardness	ASTM D2240	68
Specific Gravity	ASTM D792	1.50 g/cm ³
Flexural Rigidity	ASTM D6575	1.97 in-lb
Tensile Strength - MD	ASTM D6818	606 lb/ft (9.00 kN/m)
Elongation - MD	ASTM D6818	102%
Tensile Strength - TD	ASTM D6818	625 lb/ft (9.26 kN/m)
Elongation - TD	ASTM D6818	125%
Biomass Improvement	ASTM D7322	243%

NTPEP ASTM D6460 Large Scale Channel*

Unvegetated Shear Stress	8.6 psf (412 Pa)
Vegetated Shear Stress	> 12.5 psf (599 Pa)
Unvegetated Velocity	19.5 fps (5.95 m/s)
Vegetated Velocity	> 26.0 fps (7.93 m/s)

*Testing conducted with ShoreMax installed over North American Green® VMax® P550® Turf Reinforcement Mat.

Distributed by: Quick Supply Co., 6620 NW Toni Drive Des Moines, IA 50313, Phone: (515)289-1271,
www.quicksupplydm.com



North American Green
5401 St. Wendel-Cynthiana Road
Poseyville, Indiana 47633

nagreen.com
800-772-2040

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