



**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

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

#### Standard Roll Sizes

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

#### Design Permissible Shear Stress

TRM Underlayment Type and Phase	Maximum Permissible Shear Stress	Maximum Flow Velocity
SC250	Unvegetated	7.5 psf      18 fps
	Vegetated	10.0 psf      18 fps
C350	Unvegetated	8.0 psf      19 fps
	Vegetated	12.0 psf      20 fps
P550	Unvegetated	8.5 psf      19.5 fps
	Vegetated	14.0 psf      25 fps

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

#### NTPEP ASTM D6460 Large Scale Channel\*

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

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

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