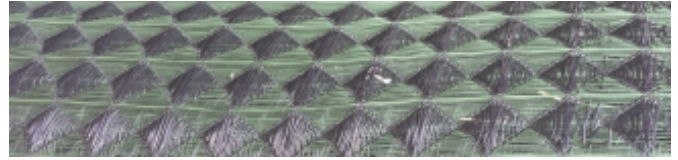


# Specification Sheet

## TMax™ High-Performance Turf Reinforcement Mat



**ROLLMAX™**  
ROLLED EROSION CONTROL



### DESCRIPTION

The TMax™ high-performance turf reinforcement mat (HP-TRM) shall be a machine-produced mat of 100% UV-stabilized, high denier polypropylene monofilament yarns woven into permanent, high-strength, three-dimensional turf reinforcement matting. Available in either a green/black or a tan/black coloring, the mat shall be composed of polypropylene yarns woven into a uniform configuration of resilient, pyramid-like projections. The mat provides sufficient thickness, optimum open area, and three dimensionality for effective erosion control and vegetation reinforcement against high flow induced shear forces. The mat has high tensile strength for excellent damage resistance and for increasing the bearing capacity of vegetated soils subject to heavy loads from maintenance equipment and other vehicular traffic. The material has very high interlock and reinforcement capacities with both soil and root systems, and is designed for erosion control applications on steep slopes and vegetated waterways.

INDEX PROPERTIES	TEST METHOD	TYPICAL
<b>Thickness</b>	ASTM D6525	0.4 in. (10 mm)
<b>Resiliency</b>	ASTM D6524	75%
<b>Mass/Unit Area</b>	ASTM D6566	11.3 oz/yd <sup>2</sup> (382 g/m <sup>2</sup> )
<b>Tensile Strength - MD</b>	ASTM D6818	4,400 lbs/ft (64 kN/m)
<b>Elongation - MD</b>	ASTM D6818	35%
<b>Tensile Strength - TD</b>	ASTM D6818	3,300 lbs/ft (48.2 kN/m)
<b>Elongation - TD</b>	ASTM D6818	30%
<b>Light Penetration</b>	ASTM D6567	75% coverage
<b>UV Stability</b>	ASTM D4355	>90% @3000 hr

### DESIGN PERMISSIBLE SHEAR STRESS\*

<b>Unvegetated Shear Stress</b>	16 psf (766 Pa)
<b>Unvegetated Velocity</b>	25 fps (7.6 m/s)

+ Minimum Average Roll Value

\*Design values extrapolated from large scale ASTM D6460 testing

### MATERIAL CONTENT

<b>Woven Structure</b>	100% UV stable Polypropylene Monofilament yarns	Black/Green or Black/Tan
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### STANDARD ROLL SIZES

<b>Width</b>	11.5 ft (3.5 m)	11.5 ft (3.5 m)
<b>Length</b>	78 ft (23.8 m)	156 ft (47.5 m)
<b>Weight ± 10%</b>	72 lbs (32.7 kg)	143.5 lbs (65.1 kg)
<b>Area</b>	100 yd <sup>2</sup> (83.6 m <sup>2</sup> )	200 yd <sup>2</sup> (167 m <sup>2</sup> )

Disclaimer: The information contained herein may represent product index data, performance ratings, bench scale testing or other material utility quantifications. Each representation may have unique utility and limitations. Every effort has been made to ensure accuracy, however, no warranty is claimed and no liability shall be assumed by North American Green (NAG) or its affiliates regarding the completeness, accuracy or fitness of these values for any particular application or interpretation. While testing methods are provided for reference, values shown may be derived from interpolation or adjustment to be representative of intended use.



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