

# VMax® HIGH-PERFORMANCE TURF REINFORCEMENT MATS

Your vulnerable areas need protection, Turf Reinforcement Mats offer an aesthetic, sustainable, and durable solution. Layfield offers a series of permanent Turf Reinforcement Mats (TRMs) ideal for high-flow channels, stream banks, shorelines, and other areas needing permanent vegetation reinforcement and protection from water and wind.

VMax® High-Performance Turf Reinforcement Mats (HPTRM) utilize woven 3-D structures that are soil-filled for use in areas experiencing high stress and strain, providing effective erosion and vegetation reinforcement.

April 2023		VMax® High-Performance Turf Reinforcement Mats		
Material Properties	Style	ASTM	VMax® W3000	TMax™
	Netting		100 % UV-Stabilized high denier poly yarns	100 % UV-Stabilized high denier polypropylene monofilament yarns
	Mass per Unit Area	D 6566	14.7 oz/yd <sup>2</sup> 495 g/m <sup>2</sup>	11.3 oz/yd <sup>2</sup> 382 g/m <sup>2</sup>
	Thickness	D 6525	0.40 in 10.2 mm	0.40 in 10.2 mm
	Tensile Strength MD	D 6818	3600 lb/ft 52.6 kN/m	4400 lb/ft 64 kN/m
	Tensile Strength TD	D 6818	3800 lb/ft 55.5 kN/m	3300 lb/ft 48.2 kN/m
	Elongation (MD/TD)	D 6818	35.0/20.0 %*	35.0/30.0 %
	Vegetated Shear Stress		16.0 lbs/ft <sup>2</sup> 766 Pa	16.0 lbs/ft <sup>2</sup> 766 Pa
	Vegetated Water Flow Velocity		25.0 fps 7.6 m/sec	25.0 fps 7.6 m/sec
	Roll Width		10.0 ft 3.05 m	11.5 ft 3.5 m
	Roll Length		72 ft 21.9 m	78 ft 23.8 m
	Roll Weight (+/- 10%)		72 lbs 32.7 kg	72 lbs 32.7 kg

\*Measured on fabric prior to corrugation for true measurement of base fabric elongation

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