

VMAX[®] PERMANENT 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[®] Permanent Turf Reinforcement Mats combine 3-D matting and fiber matrix material for all-out erosion protection, vegetation establishment, and reinforcement.

April 2023		VMax [®] Permanent Turf Reinforcement Mats			
Style	ASTM	VMax [®] P550	VMax [®] C350	VMax [®] SC250	VMax [®] S200
Fibres		Polypropylene	Coconut	70% Straw, 30% Coconut	Straw
Netting		Three PP UV Stable	Three PP UV Stable	Three PP UV Stable	Three PP UV Stable
Mass per Unit Area	D 6566	21.0 oz/yd ² 712 g/m ²	18.36 oz/yd ² 624 g/m ²	16.13 oz/yd ² 548 g/m ²	12.0 oz/yd ² 408 g/m ²
Thickness	D 6525	0.63 in 16 mm	0.73 in 18.54 mm	0.62 in 15.75 mm	0.50 in 12.7 mm
Tensile Strength MD	D 6818	1050 lb/ft 15.5 kN/m	585.8 lb/ft 8.7 kN/m	709 lb/ft 10.51 kN/m	450 lb/ft 6.67 kN/m
Tensile Strength TD	D 6818	1050 lb/ft 15.5 kN/m	687.6 lb/ft 10.2 kN/m	712 lb/ft 10.56 kN/m	450 lb/ft 6.67 kN/m
Elongation (MD/TD)	D 6818	25.0/20.0 %	45.3/19.5 %	23.9/36.9 %	35/20 %
Unvegetated Shear Stress		4.0 lbs/ft ² 191 Pa	3.2 lbs/ft ² 153 Pa	3.0 lbs/ft ² 144 Pa	2.3 lbs/ft ² 110 Pa
Unvegetated Water Flow Velocity		12.0 fps 3.8 m/sec	10.5 fps 3.2 m/sec	9.5 fps 2.9 m/sec	8.5 fps 2.6 m/sec

For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com

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Vegetated Shear Stress		16.0 lbs/ft ² 766 Pa	12.0 lbs/ft ² 576 Pa	10.0 lbs/ft ² 480 Pa	10.0 lbs/ft ² 480 Pa
Vegetated Water Flow Velocity		25.0 fps 7.6 m/sec	20 fps 6.0 m/sec	15 fps 4.6 m/sec	18 fps 5.5 m/sec
Mannings N		0.023	0.041	0.040	0.02838
Roll Width		8.0 ft 2.44 m	8.0 ft 2.44 m	8.0 ft 2.44 m	8.0 ft 2.44 m
Roll Length		65 ft 20.7 m	90 ft 27.4 m	90 ft 27.4 m	90 ft 27.4 m
Roll Weight (+/- 10%)		78 lbs 35.4 kg	74 lbs 33.6 kg	70 lbs 31.8 kg	70 lbs 31.8 kg

Notes: The above products are for Canadian distribution. For projects in the USA contact your Layfield representative.

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