



Turf Reinforcement Mat

100% Polypropylene (TRMP)

Specification Sheet

BMP - Turf Reinforcement Mat Polypropylene (BMP- TRMP) is a long-term, permanent mat manufactured using a top and bottom black UV stabilized, heavy duty synthetic netting, filled with 100% polypropylene fiber, designed for use on steep slope and medium to heavy flow channel applications. These permanent mats are designed to reduce soil erosion and channel sedimentation through a combination of physical and biological means. The thread used to reinforce the netting is also UV stabilized polypropylene.

Test Property	Tested Method	Tested Results*
Mass per Unit Area	ASTM D6475	12.7 oz/sq/yd
Tensile Strength	ASTM D6818	31.4 lbs/in @ 27.6% MD 17.7 lbs/in @ 33.4% TD
Thickness	ASTM D6525	0.446 in
Light Penetration / Ground Cover	ASTM D6567	20% / 80%
UV Stability @ 500hrs	ASTM D7101	97%
Unvegetated Bench-Scale Rain Splash and Runoff	ASTM D7101	Soil Loss Ratio† = 21 - C Factor: 0.048/ sec Soil Loss Ratio† = 15.73 - C Factor: 0.065/ sec Soil Loss Ratio† = 18.46 - C Factor: 0.055/ sec
Unvegetated Bench-Scale Shear Stress	ASTM D7207	3.07 lbs/ft² @ ½ in soil loss
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	508%

† Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis)

Roll Dimensions	Rolls / Pallet	
BMP-TRMP08	8' x 112.5' (100 sy / 83.6127 m²)	20
BMP-TRMP16	16' x 112.5' (200 sy / 167.23 m²)	20

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**Tested based on test results from similar products manufactured by similar erosion control blanket manufacturing machines. Final testing results on BMP Blankets to be provided in 2025, as we work through National Transportation Product Evaluation Program (NTPEP).*

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