

permanent protection

PERMANENT TURF REINFORCEMENT MATS

North American Green's permanent turf reinforcement mats (TRMs) allow vegetation to be used in areas where flow conditions exceed the limits of natural vegetation, including severe applications where rock riprap and concrete were once the only suitable alternatives.

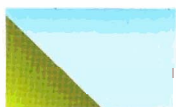
The permanent matting structure of our TRMs reinforces the root and stem systems of vegetation against damage and extraction under high shear stress water flow, while the matrix filler material provides immediate to long-term erosion control and mulching for enhanced vegetation establishment.

Our TRMs are installed over the prepared seedbed and require no soil filling. This distinction is important because the exposed topsoil of manually soil-filled TRMs must, of course, be protected – typically requiring the costly addition of a temporary erosion control blanket over the TRM and soil layer.

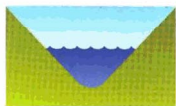
Like our erosion control blankets, North American Green's TRMs are installed in a one-step operation directly over the prepared seedbed which saves time and money and ensures the highest level of erosion control and vegetation reinforcement.



Typical Applications



1:1 and Greater Slopes



High-Flow Channels

3.00 lbs/ft² (144 Pa)
Vegetated
8.00 lbs/ft² (383 Pa)



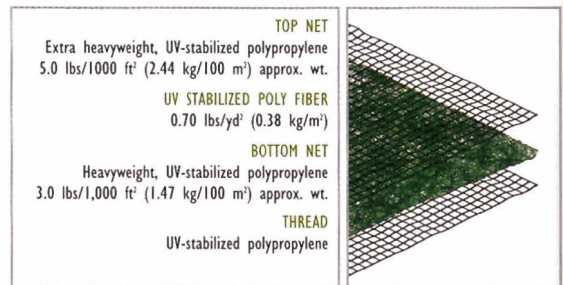
Shorelines

P300® PERMANENT TURF REINFORCEMENT MAT

P300® is constructed of UV stabilized polypropylene fiber stitched with permanent polypropylene thread between heavyweight, UV-stabilized polypropylene top and bottom nets. Unvegetated P300 reduces soil loss to less than 0.5 inch (12.7 mm) under shear stress up to 3.0 lbs/ft² (144 Pa) and protects vegetation from being washed away or uprooted even when exposed to shear stresses up to 8 lbs/ft² (383 Pa). P300 can be used to protect a wide variety of problem areas, including steep slopes, high-flow channels, and pond shorelines.

STANDARD ROLL SPECIFICATIONS

Width: 6.67 ft (2.03 m) Area: 80 yd² (66.89 m²)
Length: 108 ft (32.92 m) Approx. Weight: 61 lbs (27.67 kg)
(other width options available)



*NOTE: This guide is for general purposes only. Actual project design and product selection should be developed using North American Green's ECMDS® software program.