

ADS GEOSYNTHETICS PP5-12 TURF REINFORCEMENT MAT

Scope

This specification describes ADS Geosynthetics PP5-12 turf reinforcement mat.

Turf Reinforcement Mat Requirements

ADS Geosynthetics PP5-12 is composed of 100% synthetic components. A matrix of green polypropylene fibers is mechanically (stitch) bound between two UV stabilized, heavy duty synthetic nets. Stitching is secured on two inch centers using UV stabilized, heavy duty polypropylene thread. Excel PP5-12 is a permanent, three-dimensional TRM that provides immediate erosion protection and long term turf reinforcement and is intended for slope or channel applications requiring erosion protection for greater than thirty-six months.

Each roll of ADS Geosynthetics PP5-12 is manufactured under a quality assurance program to ensure a continuous distribution of fibers and consistent thickness. Verified values are provided in Table 1 and product characteristics are provided in Tables 2 and 3. Values provided in Tables 1, 2 and 3 represent expected values at the time of manufacture. Installation instructions and performance data are available from ADS Geosynthetics Technical Support Division. ADS Geosynthetics PP5-12 conforms to the physical property values listed below:

Erosion Control Blanket Properties

Table 1 - Verified Values			
Tested Property	Test Method	Value	Units
Tensile Strength	ASTM D6818	20.8 (MD), 17.7 (TD)	lb/in
Elongation	ASTM D6818	25 (MD), 25 (TD)	%
Mass per Unit Area	ASTM D6475	12.0	oz/yd ²
Thickness	ASTM D6525	9.6	mm
Light Penetration	ASTM D6567	20	% open
Resiliency	ASTM D6524	88	%
UV Stability	ASTM 4355	100	%
Porosity	Computed	96	%

Table 2 - Netting	
Top Net	Synthetic, UV Stable
Bottom Net	Synthetic, UV Stable
Top Net Opening	0.75 in x 0.75 in (Nominal)
Bottom Net Opening	0.75 in x 0.75 in (Nominal)

Table 3 - Roll Dimensions	
Roll Width	8 ft
Roll Length	
Coverage	100 yd ²
Roll Weight	75 lbs