



ADS PP5-HD TURF REINFORCEMENT MAT GEOTEXTILE SPECIFICATION

Scope

This specification describes ADS PP5-HD Turf Reinforcement Mat.

Turf Reinforcement Mat Requirements

ADS PP5-HD is fully synthetic, UV stable Turf Reinforcement Mat manufactured by weaving continuous, synthetic thread elements by way of a proprietary process to form a lofty, three-dimensional pattern. PP5-HD is resistant to environmental and climatic conditions and provides high strength, durability and turf reinforcement performance. PP5-HD is constructed of UV stabilized, high strength synthetic yards to be incorporated into turf and/or the soil matrix. For typical installations, the expected design lift of PP5-HD is 25 years, however, may be less or indefinite. ADS PP5-HD12 conforms to the physical property values listed below:

Turf Reinforcement Mat Properties

Property	Test Method	Unit	M.A.R.V. (Minimum Average Roll Value)
Tensile Strength	ASTM D6818	lbs/ft (kN/m)	2500 x 2250 (36 x 33)
Elongation	ASTM D6818	%	25 x 20
Tensile Strength at 15% Strength	ASTM D6818	lbs/ft (kN/m)	2250 (44)
Initial Tangent Modulus (MD)	ASTM D6818	kip/ft (kN/m)	8.0 (9.7)
Initial Tangent Modulus	ASTM D6818	kip/ft (kN/m)	13.0 (15.8)
Mass Per Unit Area	ASTM D6566	oz/yd (g/m)	9.2 (312)
Thickness	ASTM D6525	in (mm)	.30 (8)
Light Penetration	ASTM D6567	% open	30
Water Absorption	ASTM D1117	-	N/A
Resiliency	ASTM D6524	%	95
Porosity	Computed	%	96
UV Stability	ASTM D4355	%	100% (500 hr)/90% (3000 hr)

* Maximum average roll value.

Packaging

Roll Dimensions (W x L) - ft. (m)	8 x 112.5 (2.4 x 34.3)
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PP5-HD is a woven product, thus no netting is utilized in the construction of the material.