



ADS GEOSYNTHETICS PP5-HD TURF REINFORCEMENT MAT

Scope

This specification describes ADS Geosynthetics PP5-HD Turf Reinforcement Mat.

Turf Reinforcement Mat Requirements

ADS Geosynthetics PP5-HD is a 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 yarns to be incorporated into turf and/or the soil matrix. For typical installations, the expected design life of PP5-HD is 25 years, however, may be less or indefinite. ADS Geosynthetics PP5-HD conforms to the physical property values listed below:

Turf Reinforcement Mat Properties

PROPERTY	TEST METHOD	ENGLISH M.A.R.V. (Minimum Average Roll)	METRIC M.A.R.V. (Minimum Average Roll)
Tensile Strength	ASTM D-6818	2500 x 2250 lbs/ft	36 x 33 kN/m
Elongation	ASTM D-6818	25% x 20%	25% x 20%
Tensile Strength @ 15% Strength	ASTM D-6818	2250 lbs/ft	44 kN/m
Initial Tangent Modulus (MD)	ASTM D-6818	8.0 kip/ft	9.7 kN/m
Initial Tangent Modulus (TD)	ASTM D-6818	13.0 kip/ft	15.8 kN/m
Mass Per Unit Area	ASTM D-6566	9.2 oz/yd	312 g/m
Thickness	ASTM D-6525	0.30 in	8 mm
Light Penetration	ASTM D-6567	30% open	30% open
Water Absorption	ASTM D-1117	N/A	N/A
Resiliency	ASTM D-6524	95%	95%
Porosity	Computed	96%	96%
UV Stability	ASTM D-4355	100% (500 hr)/90% (3000 hr)	100% (500 hr)/90% (3000 hr)
Roll Sizes		8' x 112.5'	2.4 m x 34.3 m

*Maximum average roll value.

PP5-HD is a woven product, thus no netting is utilized in the construction of the material.