



PEC-MAT® Turf Reinforcement Mat
Technical Data Sheet

6' x 75' Rolls, 50 sq yd

PEC-MAT® is the permanent soft armor solution for many hard armor applications. PEC-MAT protects seed and soil during germination and provides long term turf reinforcement for established vegetation.

Its dense web design guards seed and soil from wind, rain and storm-water forces, while retaining moisture and solar energy to promote seedling development. The new vegetation's roots entwine with PEC-MAT to produce a reinforced turf capable of withstanding flow velocities up to 20 feet per second and a shear stress of 6 pounds per square foot.

PRODUCT TEST DATA		
Physical Property	Test Method	Typical Value
Material		thermally welded PVC monofilaments
Color		Green
Weight	ASTM D-3776	28 oz sq yd
Thickness	Measured	0.1 in
Porosity	CWD 02215-86	72%
Tensile Strength (length/width)	ASTM D-4595-86	12 x 7 lbs/in
Elongation (length/width)	ASTM D-4595-86	75% x 75%
Secant Tensile-Modulus (length/width)	ASTM D-4595-86	30 x 15 lbs/in
Breaking Toughness (length/width)	ASTM D-4595-86	6 x 3.5 lbs sq in
Conformity (length/width)	ASTM D-1388-75	50 x 33 in./lb x 10 ⁻⁴
QUV Stability @ 2000 hrs	ASTM G-53-84	85% prop. ret.
Low Temp Brittleness	ASTM D-746	-35F
pH Range		2-12 pH
Manning Roughness Coefficient N		.02
Max. Flow Velocity		20 ft/sec
Max. Recommended Shear Stress		6 lbs sq ft
Max. Stake Load		25 lbs
Test results represent Minimum Average Roll Values (MARV) with the exception of weight which is a typical result.		

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