

# TE-PS42

## TURF REINFORCEMENT MAT



TE-PS42 turf reinforcement matting is manufactured from a composition of 67% polypropylene fiber and 33% agricultural straw stitched between a black UV-stabilized polypropylene top net with a mesh size of 1.34 x 1.27 cm (0.53 x 0.5 in) and a black UV stabilized polypropylene bottom net with a mesh size of 1.59 x 1.59 cm (0.626 x 0.626 in). The “PS” and “4” represent the polypropylene and straw fiber applied at a minimum of 400 g/m<sup>2</sup> (0.75 lbs/yd<sup>2</sup>) and the “2” represents that the mat is netted on the top and bottom sides. TE-PS42 is a permanent turf reinforcement mat. The mat is sewn together on 38.1 mm (1.5 in) centers, with UV-Stabilized polypropylene black thread. Each roll of TE-PS42 is packaged in clear shrink-wrap with a teal band and includes installation instructions.

### Index Test Results From Bench Scale Testing (TRI Environmental Labs or NTPEP)

TESTED PROPERTY	TEST METHOD	PARAMETERS	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Mass Per Unit Area	ASTM D 6475	Index Test	oz/yd <sup>2</sup>	18.42
Tensile Strength	ASTM D 6818	Index Text	lbs/in @ %	24.8 @ 24.6 11.2 @ 29.4
Thickness	ASTM D 6525	Index Test	in	0.711
Light Penetration / Ground Cover	ASTM D 6567	Index Text	% / %	87.2 / 12.8
UV Stability @ 500hrs	ASTM D 4355	Index Test	%	90
Determination of Unvegetated RECP Ability to Protect Soil From Hydraulically - Induces Shear Stresses Under Bench-Scale Conditions	ASTM D 7207 ECTC Method 3	Regression (Power Curve)	psf @ ½ in soil loss	3.2
<b>TYPICAL ROLL DIMENSIONS</b>				
Roll Dimensions			ft (m)	8 (2.44) x 112.5 (34.3) 16 (4.88) x 112.5 (34.3)
Roll Area			yd <sup>2</sup> (m <sup>2</sup> )	75 (62.7) 150 (125.4)
Roll Weight ± 10%			lbs (kg)	61 (28) 122 (56)

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