

Specification Sheet

PS42

The PS42 turf reinforcement matting from ErosionControlBlanket.com 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 1.34×1.27 cm $(0.53 \times 0.5 \text{ in})$ and a black UV stabilized polypropylene bottom net with a mesh size of 1.59×1.59 cm $(0.626 \times 0.626 \text{ in})$. The "PS" and "4" represent the polypropylene and straw fiber applied at a minimum of 400 g/m^2 (0.75 lbs/yd^2) and the "2" represents that the mat is netted on the top and bottom sides. The 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 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)

Test Method – Description	Parameters	Test Result
ASTM D6566 – Mass per Unit Area	Index Test	18.42 oz/sq. yd.
ASTM D4355 – UV Stability	Index Test	90% at 500 hours
ASTM D6818 – Tensile Strength		
Machine Direction (MD)	Index Test	24.8 lb/in @ 24.6%
Transverse/Cross Direction (TD)	Index Test	11.2 lb/in @ 29.4%
ASTM D6525 – Thickness	Index Test	0.711 in
ASTM D6567 – Ground Cover/Light Penetration	Index Test	87.2%/12.8%
ECTC Method 3 – Determination of Unvegetated RECP	Regression (power curve)	3.2 psf @ ½ in soil loss
Ability to Protect Soil from Hydraulically-Induced Shear		
Stresses Under Bench-Scale Conditions - ASTM D7207		

Standard Roll Details

 Width
 2.44m (8ft)
 4.88m (16ft)

 Standard Length
 25.7m (84.3ft)
 25.7m (84.3ft)

 Area
 62.7m² (75yd²)
 125.4m² (150yd²)

 Weight ±10%
 28kg (61lb)
 56kg (122lb)

"Big Daddy" Roll Details

Width 2.44m (8ft) 4.88m (16ft)
Standard Length 102.8m (337.5ft) 102.8m (337.5ft)
Area 250.8m² (300yd²) 500m² (600yd²)
Weight ±10% 112kg (244 lb) 224kg (488 lb)
More information available upon request.