



WINFAB S2

Product Data Sheet

Product Description: WINFAB S2 Double Net Straw Blanket is a temporary rolled erosion control product (RECP) with a functional longevity of up to 12 months. The information below summarizes the product's typical physical properties at the time of manufacturing.

Size (WxL):	Available in 8' x 112.5' OR 16' x 112.5' roll dimensions. (Custom roll sizes are available upon request.)
Two Nets: Top & Bottom	Degradable polypropylene net with 0.5" x 0.5" net openings. (Rapidly degrading net is available upon request.)
Stitch Spacing:	Degradable stitching is spaced 1.5 inches apart.
Matrix:	Evenly distributed with 100% agricultural cured weed-free straw placed at a rate of 0.5 lbs/yd ² between two nets and stitched together.
Packaging:	All rolls are wrapped tightly with stretch wrap to protect the RECP from the weather and elements.
Manufacturing Location:	Proudly made in the United States of America.

Typical Index & Performance Properties: The values presented below are representative of test data performed by third party laboratories who are NTPEP-contracted laboratories and are accredited through the Geosynthetic Accreditation Institute – Laboratory Accreditation Program.

TEST METHOD - DESCRIPTION	PARAMETERS	TEST RESULTS
ASTM D 6475 - Mass per Unit Area	Index Test	8.45 oz/sq.yd.
ASTM D 6818 - Ultimate Tensile Strength / Strain (MD & TD)	Index Test	13.5 lb/in @ 23.5 % 8.4 lb/in @ 23.5 %
ASTM D 6525 - Thickness	Index Test	249 mils
ASTM D 6567 - Ground Cover / Light Penetration	Index Test	88.5 % / 11.5 %
ASTM D 1117 & ECTC-TASC 00197 - Water Absorption	Index Test	476 %
ASTM D 7101 - Determination of Un-vegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff under Bench-Scale Conditions	50 mm (2 in.) / hr for 30 min. 100 mm (4 in.) / hr for 30 min. 150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio ^{a,b} = 38.42 Soil Loss Ratio ^{a,b} = 22.33 Soil Loss Ratio ^{a,b} = 9.71
ASTM D 7207 - Determination of Un-vegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions	Shear: 1.14 psf for 30 min. Shear: 2.05 psf for 30 min. Shear: 2.73 psf for 30 min. Soil loss curve intercept =	Soil Loss ^b = 68.3 g Soil Loss ^b = 328.3 g Soil Loss ^b = 688.3 g 2.32 psf @ 1/2-in soil loss
ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth	Top soil; Fescue (Kentucky 31) 21 day incubation; 27±2° & approximately 45±5% RH	553 % (germination improvement)

a. Weight is based on a dry fiber weight at the time of manufacturing.

b. The soil loss ratio is as reported by NTPEP (soil loss bare soil / soil loss with RECP = 1/C-Factor where the soil loss is based on regression analysis.)

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