

MATERIAL PROPERTY DATA SHEET

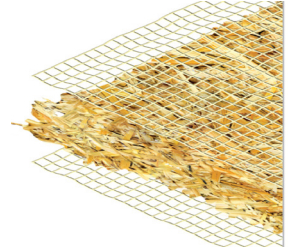


S150BN™

Short Term • Double Net • Straw Matrix •
Biodegradable • Erosion Control Blanket

DESCRIPTION

S150BN temporary Erosion Control Blanket is composed of 100% weed free agricultural straw matrix mechanically (stitch) bonded on two-inch centers between two biodegradable, jute/scrim nets. Thread utilized in the construction of the blanket is biodegradable cotton. The S150BN blanket is recommended for use in applications requiring erosion protection for a period up to twelve months. The material is fully degradable. The net, thread, and the fiber matrix is biodegradable. Actual field longevity is dependent on soil and climatic conditions.



Each roll of S150BN is made in the USA and manufactured under North American Green's Quality Assurance Program to ensure a continuous distribution of fibers and consistent thickness.

Material Content	
Matrix	Straw

Netting	Top & Bottom Net: Jute Scrim, Biodegradable, Leno Weave	Double Net
---------	---	------------

Thread	Biodegradable Cotton or Rayon
--------	-------------------------------

Standard Roll Sizes

Width	8 ft (2.4 m)	16 ft (4.9 m)
Length	112 ft (34.1 m)	563 ft (171.0 m)
Weight ± 10%	50 lb (22.7 kg)	500 lb (227.0 kg)
Area	100 sy (83.6 m ²)	1000 SY (836.0 m ²)

Material available in custom roll sizes

Approvals & Classification

Classification	FHWA: Type 2.D / ECTC: Type 2.D
TTI Approvals	N/A
NTPEP Number	ECP-2020-01-17

Disclaimer: The information contained herein may represent product index data, performance ratings, bench scale testing or other material utility quantifications. Each representation may have unique utility and limitations. Every effort has been made to ensure accuracy, however, no warranty is claimed and no liability shall be assumed by Western Green or its affiliates regarding the completeness, accuracy or fitness of these values for any particular application or interpretation. While testing methods are provided for reference, values shown may be derived from interpolation or adjustment to be representative of intended use. For further information, please feel free to contact MKB Company

©2026, North American Green is a registered trademark from MKB. Certain products and/or applications described or illustrated herein are protected under one or more U.S. patents. Other U.S. patents are pending, and certain foreign patents and patent applications may also exist. Trademark rights also apply as indicated herein. Final determination of the suitability of any information or material for the use contemplated, and its manner of use, is the sole responsibility of the user. Printed in the U.S.A.

Index Property	Test Method	Typical	
Thickness	ASTM D6525	0.30 in.	(8 mm)
Mass/Unit Area	ASTM D6566	8.0 oz/sy	(275 g/sm)
Tensile Strength – MD	ASTM D6818	190 lbs/ft	(2.8 kN/m)
Tensile Strength – TD	ASTM D6818	150 lbs/ft	(2.2 kN/m)
Elongation - MD	ASTM D6818	15%	
Elongation – TD	ASTM D6818	15%	
Density/Specific Gravity	D792	N/A	
Light Penetration	ASTM D6567	15%	
Biomass Improvement	ASTM D7322	450%	
Water Absorption	ASTM D1117	400%	

Design Parameters

Property	Unvegetated	Vegetated ³
RUSLE C Factor ²	0.04	N/A
Slope Maximum Gradient ¹	2H:1V	N/A
Permissible Shear Stress ²	1.9 psf (90 Pa)	N/A
Permissible Velocity ²	6.0 fps (1.8 m/s)	N/A
τ_{veg} / τ_{TRM} (HEC-15)	N/A	0.65

Manning's n Roughness (HEC-15)

τ_{lower}	τ_{mid}	τ_{upper}
0.048	0.034	0.031

1 Maximum Gradient a recommendation for typical installations.

2 Hydraulic thresholds compliant with ASTM D6459/D6460 but generalized for typical applications.

3 Vegetated values dependent on established stand of vegetation