

MATERIAL PROPERTY DATA SHEET

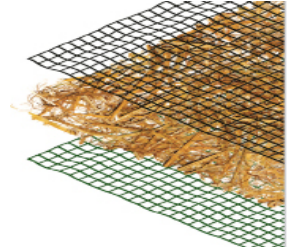


SC150®

Equivalent and Replaces: CS-3 • ETSC-7030 • SC3000
Extended Term • Double Net • Coconut/Straw Matrix •
Erosion Control Blanket

DESCRIPTION

The Coconut/Straw SC150 extended term Erosion Control Blanket consists of 30% coconut fibers and 70% weed free agricultural straw manufactured into a continuous matrix. The coconut/straw matrix is confined by a photodegradable, synthetic net on top and bottom, mechanically (stitch) bound on two-inch centers. SC150 is intended for applications requiring up to twenty-four months of functional longevity. The material is fully degradable. The net and thread are photodegradable and the fiber matrix is biodegradable. Actual field longevity is dependent on soil and climatic conditions.



Each roll of SC150 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.

SC150 is compliant and/or exempt with the Build America, Buy America Act, §§ 70901–70927 of the Investment and Jobs Act (Pub L. 117-58), 2 CFR Part 184 – Buy America Preferences for Infrastructure Projects and OMB Memorandum M-22-11.

Material Content		
Matrix	Straw/ Coconut Blend	
Netting	Top Net: Medium weight, Synthetic, Regular Degradable	Double Net (black)
	Bottom Net: Lightweight, Synthetic Regular Degradable	
Thread	Synthetic, Regular Degradable	

Standard Roll Sizes				
Width	8 ft (2.4 m)	8 ft (2.4 m)	16 ft (4.9 m)	16 ft (4.9 m)
Length	112 ft (34.1 m)	563 ft (171 m)	112 ft (34.1 m)	563 ft (171 m)
Weight ± 10%	53 lb (24.1 kg)	265 lb (120.5 kg)	106 lb (48.2 kg)	530 lb (241 kg)
Area	100 sy (83.6 m ²)	500 sy (418 m ²)	200 SY (167 m ²)	1000 SY (836 m ²)
Part Number	SC150-8X112.5	SC150-8X562.5	SC150-16X112.5	SC150-16X562.5

Material available in custom roll sizes

Approvals & Classification	
Classification	FHWA: Type 3.B / ECTC: Type 3.B
TTI Approvals	N/A
NTPEP Number	ECP-2019-03-013

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	8.5 oz/sy	(290 g/sm)
Tensile Strength – MD	ASTM D6818	150 lbs/ft	(2.2 kN/m)
Tensile Strength – TD	ASTM D6818	130 lbs/ft	(1.9 kN/m)
Elongation - MD	ASTM D6818	25%	
Elongation – TD	ASTM D6818	25%	
Density/Specific Gravity	D792	N/A	
Light Penetration	ASTM D6567	12%	
Biomass Improvement	ASTM D7322	500%	
Water Absorption	ASTM D1117	350%	

Design Parameters		
Property	Unvegetated	Vegetated ³
RUSLE C Factor ²	0.03	N/A
Slope Maximum Gradient ¹	2H:1V	N/A
Permissible Shear Stress ²	2.0 psf (95 Pa)	N/A
Permissible Velocity ²	8.0 fps (2.4 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}
0.045	0.036	0.031

1 Maximum Gradient a recommendation for typical insllations.

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

3 Vegetated values dependent on established stand of vegetation