



## MATERIAL SPECIFICATION

# SC150BN



The erosion control blanket shall be a machine-produced 100% Biodegradable mat of 70% agricultural straw and 30% coconut fiber blend matrix with a functional longevity of approximately 18 months (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographic location, and elevation).

The blanket shall be of consistent thickness with the straw and coconut fiber evenly distributed over the entire area of the mat. The blanket shall be covered on the top and bottom sides with 100% biodegradable woven natural organic fiber netting. The top netting shall consist of machine directional strands formed from two intertwined yarns with cross directional strands interwoven through the twisted machine strands (commonly referred to as a Leno weave) to form an approximate 0.50 x 1.00 inch (1.27 x 2.54 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers (50 stitches per roll width) with biodegradable thread.

Installation staple patterns shall be clearly marked on the erosion control blanket with environmentally safe paint. The blanket shall be manufactured with a colored line or thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) to ensure proper material overlapping.

The straw/coconut fiber erosion control blanket shall be SC150BN as manufactured by North American Green, or equivalent. The straw/coconut fiber erosion control blanket shall have the following properties:

### Material Content

Matrix 70% Straw Fiber  
(0.35 lbs/yd<sup>2</sup>) (0.19 kg/m<sup>2</sup>)  
30% coconut fiber  
(0.15 lbs/yd<sup>2</sup>) (0.08 kg/m<sup>2</sup>)

Netting Top - Leno woven 100% biodegradable organic jute fiber  
(9.30 lbs/1,000 ft<sup>2</sup> [4.50 kg/100 m<sup>2</sup>] approximate weight)  
Bottom - 100% biodegradable organic jute fiber  
(7.7 lbs/1,000 ft<sup>2</sup> [3.76 kg/100 m<sup>2</sup>] approximate weight)

Thread Biodegradable

### Physical Specifications (per roll)

	<u>English</u>	<u>Metric</u>
Width	6.67 ft ± 5%	2.03 m
Length	108.00 ft ± 5%	32.92 m
Weight	52.22 lbs ± 10%	23.69 kg
Area	80.00 yd <sup>2</sup>	66.89 m <sup>2</sup>
Stitch Spacing	1.50 inches	3.81 cm