



MATERIAL SPECIFICATION



SC150BN

The extended-term erosion control blanket shall be a machine-produced 100% Biodegradable blanket of 70% agricultural straw and 30% coconut fiber blend matrix with a functional longevity of up to 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 blanket. 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 with biodegradable thread.

The SC150BN shall meet requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation, Federal Highway Administration's (FHWA) *Standard Specifications For Construction of Roads and Bridges on Federal Highway Projects, FP-03 2003 Section 713.17* as a *Type 3.B Extended-term Erosion Control Blanket*.

The SC150BN is also available upon request with the DOT System™. The DOT System™ consists of installation staple patterns 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 extended-term straw/coconut fiber erosion control blanket shall be SC150BN as manufactured by North American Green, or equivalent.

The SC150BN straw/coconut fiber erosion control blanket shall have the following properties:

Material Content

Matrix	70% Straw Fiber (0.35 lbs/yd ²) (0.19 kg/m ²) 30% Coconut fiber (0.15 lbs/yd ²) (0.08 kg/m ²)
Netting	Top - Leno woven 100% biodegradable organic jute fiber (9.30 lbs/1,000 ft ² [4.50 kg/100 m ²] approximate weight) Bottom - 100% biodegradable organic jute fiber (7.7 lbs/1,000 ft ² [3.76 kg/100 m ²] approximate weight)
Thread	Biodegradable

SC150BN is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

Width ± 5%	6.67 ft (2.03 m)
Length ± 5%	108.00 ft (32.92 m)
Weight ± 10%	52.22 lbs (23.69 kg)
Area	80.00 yd ² (66.89 m ²)

Stitch Spacing for All Rolls = 1.50 inches (3.81 cm)