



## MATERIAL SPECIFICATION



# C125BN

The long-term coconut fiber erosion control blanket shall be a machine-produced 100% biodegradable blanket with a 100% coconut fiber matrix with a functional longevity of up to 24 months (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographic location, and elevation).

The blanket shall be of consistent thickness with the 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 (50 stitches per roll width) with biodegradable thread.

The C125BN 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 4. Long-term Erosion Control Blanket*.

The C125BN 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 long-term erosion control blanket shall be C125BN as manufactured by North American Green, or equivalent.

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

### Material Content

Matrix	100% coconut fiber (0.50 lb/yd <sup>2</sup> ) (0.27 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

### C125BN is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

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

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