



MATERIAL SPECIFICATION



C125

The long-term erosion control blanket shall be a machine-produced mat of 100% coconut fiber with a functional longevity of approximately 36 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 evenly distributed over the entire area of the blanket. The blanket shall be covered on the top and bottom with heavyweight polypropylene netting having ultraviolet additives to delay breakdown and approximate 0.625 x 0.625 inch (1.59 x 1.59 cm) mesh size. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with UV stable polypropylene thread.

The C125 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 C125 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 the C125 as manufactured by North American Green, or equivalent. The C125 erosion control blanket shall have the following properties:

Material Content

Matrix	100% Coconut Fiber (0.50 lb/yd ² [0.27 kg/m ²])
Netting	Both sides, heavyweight UV stabilized (3.0 lbs/1,000 ft ² [1.47 kg/100 m ²] approximate weight)
Thread	100% Black Polypropylene

C125 is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

Width	6.67 ft (2.03 m)	16.0 ft (4.87 m)
Length	108.00 ft (32.92 m)	108.0 ft (32.92 m)
Weight ± 10%	44.00 lbs (19.95 kg)	105.6 lbs (47.90 kg)
Area	80.00 yds ² (66.89 m ²)	192.0 yd ² (165.53 m ²)

Roll Widths Also Available Upon Special Request

Width	8.0 ft (2.43 m)	13.3 ft (4.05 m)
Length	108.0 ft (32.92 m)	108.0 ft (32.92 m)
Weight ± 10%	52.8 lbs (23.95 kg)	88.0 lbs (39.92 kg)
Area	96.0 yd ² (80.26 m ²)	160.0 yd ² (133.78 m ²)

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