



MATERIAL SPECIFICATION

S150BN



The short-term double net erosion control blanket shall be a machine-produced 100% biodegradable blanket with a 100% agricultural straw matrix with a functional longevity of up to 12 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 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 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 inch x 1.00 inch (1.27 x 2.54 cm) mesh. The blanket shall be sewn on 1.50 inch (3.81 cm) centers with biodegradable thread.

The S150BN 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 2.D Short-term Double Net Erosion Control Blanket*.

The S150BN 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 short-term double net straw erosion control blanket shall be S150BN as manufactured by North American Green, or equivalent.

The S150BN erosion control blanket shall have the following properties:

Material Content

| | |
|---------|---|
| Matrix | 100% Straw Fiber (0.50 lbs/yd ²) (0.27 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 |

S150BN 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)