



# MATERIAL SPECIFICATION

## SC150



The extended-term erosion control blanket shall be a machine-produced blanket of 70% agricultural straw and 30% 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 straw and coconut evenly distributed over the entire area of the blanket. The blanket shall be covered on the top side with heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.63 x 0.63 inch (1.59 x 1.59 cm) mesh, and on the bottom side with a lightweight photodegradable polypropylene netting with an approximate 0.50 x 0.50 inch (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The SC150 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 SC150 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 SC150 as manufactured by North American Green, or equivalent. The SC150 erosion control blanket shall have the following properties:

### Material Content

|         |   |
|---------|---|
| Matrix  | 70% Straw Fiber<br>(0.35 lb/yd <sup>2</sup> ) (0.19 kg/m <sup>2</sup> )<br>30% Coconut Fiber<br>(0.15 lb/yd <sup>2</sup> ) (0.08 kg/m <sup>2</sup> )  |
| Netting | Top side heavyweight photodegradable with UV additives<br>(3.0 lbs/1,000 ft <sup>2</sup> [1.47 kg/100 m <sup>2</sup> ] approximate weight)<br>Bottom side lightweight photodegradable<br>Minimum netting weight (1.50 lbs/1,000 ft <sup>2</sup> [0.73 kg/100 m <sup>2</sup> ] approx. weight) |
| Thread  | Degradable  |

### SC150 is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

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

### Roll Widths Also Available Upon Special Request

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

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