



# MATERIAL SPECIFICATION



## DS150

The ultra short-term double net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 2 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 polypropylene netting having an approximate 0.50 inch x 0.50 (1.27 x 1.27 cm) mesh with photodegradable accelerators to provide breakdown of the netting within approximately 60 days, depending upon geographic location and elevation. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread.

The DS150 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 1.D Ultra Short-term Double Net Erosion Control Blanket*.

The DS150 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 ultra short-term double net straw erosion control blanket shall be as manufactured by North American Green, or equivalent.

The DS150 erosion control blanket shall have the following properties:

### Material Content

Matrix	100% Straw Fiber (0.50 lb/yd <sup>2</sup> ) (0.27 kg/m <sup>2</sup> )
Netting	Both sides, lightweight photodegradable with photo accelerators Minimum netting weight (1.50 lbs/1,000 ft <sup>2</sup> [0.73 kg/100 m <sup>2</sup> ] approx. weight)
Thread	Degradable

### DS150 is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

<b>Width</b>	6.67 ft (2.03 m)
<b>Length</b>	108.0 ft (32.92 m)
<b>Weight ± 10%</b>	40.0 lbs (18.14 kg)
<b>Area</b>	80.0 yd <sup>2</sup> (66.89 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>	48.0 lbs (21.77 kg)	80.0 lbs (32.28 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)