



# MATERIAL SPECIFICATION

## DS75



The ultra short-term single net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 45 days. (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 mat. The blanket shall be covered on the top side with a polypropylene netting having an approximate 0.50 x 0.50 inch (1.27 x 1.27 cm) mesh with photodegradable accelerators to provide breakdown of the netting within approximately 45 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 DS75 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.C Ultra Short-term Single Net Erosion Control Blanket*.

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 single net straw erosion control blanket shall be DS75 as manufactured by North American Green, or equivalent.

The DS75 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** Top side only, 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

### DS75 is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

<b>Width</b>	4.0 ft (1.20 m)	6.67 ft (2.03 m)	16.0 ft (4.87 m)
<b>Length</b>	135.0 ft (41.14 m)	108.0 ft (32.92 m)	108.0 ft (32.92 m)
<b>Weight ± 10%</b>	30.0 lbs (13.60 kg)	40.0 lbs (18.14 kg)	96.0 lbs (43.54 kg)
<b>Area</b>	60.0 yd <sup>2</sup> (50.16 m <sup>2</sup> )	80.0 yd <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>	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)