



# MATERIAL SPECIFICATION

## P300



The P300 permanent turf reinforcement mat shall be a machine-produced mat of 100% UV stable polypropylene fiber.

The matting shall be of consistent thickness with synthetic fibers evenly distributed over the entire area of the mat. The matting shall be covered on the top with black heavyweight UV stabilized polypropylene netting having ultraviolet additives to prevent breakdown and an approximate 0.50 x 0.50 inch (1.27 x 1.27 cm) mesh size. The bottom net shall also be UV stabilized polypropylene, with a 0.625 x 0.625 inch (1.57 x 1.57 cm) mesh size. The matting shall be sewn together on 1.50 inch (3.81 cm) centers with UV stabilized polypropylene thread.

The P300 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 713.18* as a *Type 5A or B Permanent Turf Reinforcement Mat*.

The P300 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 turf reinforcement mat shall be P300 as manufactured by North American Green, or equivalent.

The P300 permanent erosion control/turf reinforcement mat shall have the following properties:

### Material Content

Matrix	100% UV Stable Polypropylene Fiber (0.70 lb/yd <sup>2</sup> ) (0.38 kg/m <sup>2</sup> )
Netting	Top side heavyweight UV stabilized (5.0 lbs/1,000 ft <sup>2</sup> [2.44 kg/100 m <sup>2</sup> ] approximate weight) Bottom side heavyweight UV stabilized (3.0 lbs/1,000 ft <sup>2</sup> [1.47 kg/100 m <sup>2</sup> ] approximate weight)
Thread	100% Black Polypropylene

### P300 is Available with the Following Physical Specifications Per Roll [English Units (Metric Units)]

Width	6.67 ft (2.03 m)
Length	108.0 ft (32.92 m)
Weight ± 10%	61.0 lbs (27.66 kg)
Area	80.0 yd <sup>2</sup> (66.89 m <sup>2</sup> )

### 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%	73.44 lbs (33.31 kg)	122.40 lbs (55.52 kg)
Area	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)