

1 Grass Protecta
Scale : N.T.S.

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DESIGN NOTES:

Note 1: Where weak and / or waterlogged ground conditions exist, these must be improved prior to placement of GrassProtecta™.
Note 2: Fill any shallow depressions on the grassed surface with existing soil found in the exist site - level and firm. Seed may be applied at this stage or later to avoid disturbance while laying the mesh.
Note 3: Use additional pins/pegs to secure any raised areas or where any bridging or rippling of the rolls is evident.
Note 4: GrassProtecta™ can become slippery when wet (before the grass has a chance to grow through). Polymer Group Inc. strongly recommend that all newly installed mesh is sealed off and signage erected to advise of the potential hazard.
Note 5: Best results are obtained by not using the area until the grass has grown through the mesh apertures. This usually takes 4-8 weeks in the growing season. The area can be trafficked immediately, but grass will benefit from traffic restriction during establishment if practical to do so.
Note 6: Advice on suitability for specific applications is available from Polymer Group Inc. technical team.
Note 7: Installation test exceeded the capability of the test flume at TRI Testing Facility In Anderson, SC.

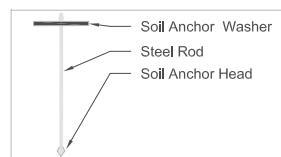
Table 1 : Product Specifications

Physical Properties		Standard 0.24 lbs/ft ²
Structure	Oscillated	
Polymer	HDPE (80% Virgin, 20% Recycled)	
Color	Green	
UV Stabilized	Yes	
Dimensional Characteristics		
Roll Width	6'-6.7200"	3'-3.3600"
Roll Length	65'-7.2000"	32'-9.6000"
Weight per Square Meter	0.24 lbs/ft ²	
Thickness	0.04500"	
Mesh Aperture (Diamond Oval)	3:1 Ratio	
Technical Characteristics		
Measurement	Method	Results
Shear Value (Velocity) w/TRM	ASTM D6460	>12.3 lbs/ft (23 ft/sec) Note 7
Shear Value (Velocity) w/Double Net Straw Blanket	ASTM D6460	3.3 lbs/ft (11 ft/sec)
Tensile Strength (MD)	ISO 10319	12 kN/m
Yield Point Elongation (MD)		30%
Residual Thickness @ 75 psi	ASTM D1621	45%
Slip Risk PTV Value	BS7976: 1-3	>40 (low slip)

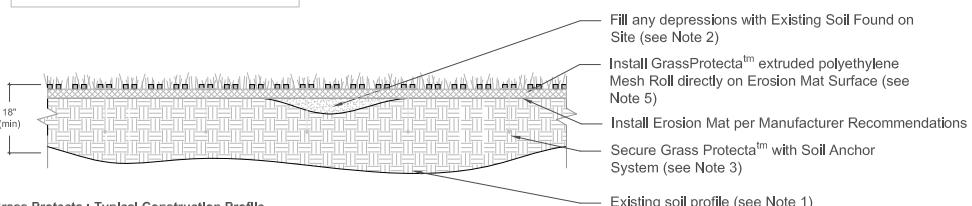
Table 2 : GrassProtecta Sizing Chart (minimum requirements) - Typ.

Outflow Dia./Width (Pipe or Weir)	Width of Minimum Coverage Based on Soil Conditions	
	Cohesive Soils	Non-Cohesive Soils
15"-24"	48"	72"
30"-42"	72"	102"
48" or greater	120"	144"

Please note that the information above is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc. cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.



2 Grass Protecta : Typical Construction Profile
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GrassProtecta™
For Scour Protection
Specification, Design & Installation Guide