

# TerraDrain<sup>®</sup> Strip 660

TerraDrain<sup>®</sup> Strip 660 prefabricated soil drains are constructed by fully wrapping a perforated, high flow capacity polystyrene core with a nonwoven filter fabric. The filter fabric is bonded to the core and prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from all sides.

TerraDrain<sup>®</sup> Strip 660 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain<sup>®</sup> Strip 660 is available with filter fabrics meeting ASSHTO M 288-06 Class 1, 2 or 3 specifications.

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Fabric</b>			
Material <sup>1</sup>		<b>PP</b>	<b>PP</b>
Water Flow Rate	ASTM D4491	<b>110 gpm/ft<sup>2</sup></b>	<b>4483 Lpm/m<sup>2</sup></b>
Grab Tensile Strength	ASTM D4632	<b>160 lbs</b>	<b>0.712 kN</b>
CBR Puncture Resistance	ASTM D6241	<b>450 lbs</b>	<b>2.00 kN</b>
Apparent Opening Size	ASTM D4571	<b>70 US Std. Sieve</b>	<b>0.210 mm</b>
Permittivity	ASTM D4491	<b>1.8 sec<sup>-1</sup></b>	<b>1.8 sec<sup>-1</sup></b>
Grab Elongation	ASTM D4632	<b>70 %</b>	<b>70 %</b>
UV Resistance	ASTM D4355	<b>70 % @ 500 hrs</b>	<b>70 % @ 500 hrs</b>
AASHTO M 288-06 <sup>2</sup>	Survivability	<b>Class 2</b>	<b>Class 2</b>
<b>Core</b>			
Material <sup>1</sup>		<b>PP</b>	<b>PP</b>
Thickness	ASTM D1777	<b>1.0 in</b>	<b>25.4 mm</b>
Compressive Strength	ASTM D1621	<b>6000 lbs/ft<sup>2</sup></b>	<b>287 kPa</b>
Flow Rate <sup>3</sup>	ASTM D4716	<b>21 gpm/ft</b>	<b>261 Lpm/m</b>

1 PP = Polypropylene; HIPS = High Impact Polystyrene

2 AASHTO Designation: M 288-06 Standard Specification for Highway Applications; American Association of State Highway and Transportation Officials, 2006. Geotextile survivability classification from installation stresses in subsurface drainage applications.

3 In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

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