

TerraDrain® Strip 640

TerraDrain® Strip 640 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® Strip 640 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain® Strip 640 is available with filter fabrics meeting ASSHTO M 288-06 Class 1, 2 or 3 specifications.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Fabric			
Material ¹		PP	PP
Water Flow Rate	ASTM D4491	150 gpm/ft²	6113 Lpm/m²
Grab Tensile Strength	ASTM D4632	130 lbs	0.578 kN
CBR Puncture Resistance	ASTM D6241	360 lbs	1.55 kN
Apparent Opening Size	ASTM D4571	70 US Std. Sieve	0.210 mm
Permittivity	ASTM D4491	2.1 sec⁻¹	2.1 sec⁻¹
Grab Elongation	ASTM D4632	70 %	70 %
UV Resistance	ASTM D4355	70 % @ 500 hrs	70 % @ 500 hrs
AASHTO M 288-06 ²	Survivability	Class 3	Class 3
Core			
Material ¹		PP	PP
Thickness	ASTM D1777	1.0 in	25.4 mm
Compressive Strength	ASTM D1621	6000 lbs/ft²	287 kPa
Flow Rate ³	ASTM D4716	21 gpm/ft	261 Lpm/m

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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