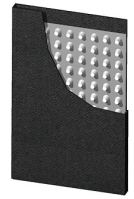


SITEDRAIN™ C-180 SERIES

PREFABRICATED CHIMNEY DRAINS

americanwick.com



PRODUCT OVERVIEW

SITEDRAIN C-180 Series prefabricated chimney drains are constructed by fully wrapping a high strength, high flow capacity, formed polystyrene drainage 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 one side.

SITEDRAIN C-180 chimney drains are available in 12", 16" and 24" widths, and provide a time saving, effective drainage solution for reducing hydrostatic pressure against retaining walls where full wall coverage is not required or feasible. SITEDRAIN C-180 is available with filter fabrics meeting AASHTO M 288-06 specifications.

Typical Property Values	ASTM Test Method	Unit of Measure	C-180	C-184	C-186	C-188
FABRIC						
Material ¹			PP	PP	PP	PP
Water Flow Rate	D-4491	gpm/ft ²	190	150	110	90
		Lpm/m ²	7,743	6,113	4,483	3,668
Grab Tensile Strength	D-4632	lbs	90	130	160	205
		N	400	578	712	912
Puncture Resistance	D-4833	lbs	35	75	90	120
		N	156	334	400	534
Apparent Opening Size	D-4751	sieve	50	70	70	80
		mm	0.297	0.210	0.210	0.177
Permittivity	D-4491	sec ⁻¹	2.8	2.1	1.8	1.3
Grab Elongation	D-4632	%	65	70	70	70
UV Resistance	D-4355	% / 500 Hrs	70	70	70	70
AASHTO M 288-06 ²	Survivability	-	-	Class 3	Class 2	Class 1
CORE						
Material ¹			HIPS	HIPS	HIPS	HIPS
Thickness	D-1777	in	.44	.44	.44	.44
		mm	11	11	11	11
Compressive Strength	D-1621	psf	18,000	18,000	18,000	18,000
		kPA	862	862	862	862
Flow Rate ³	D-4716	gpm/ft	21	21	21	21
		Lpm/m	261	261	261	261

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.



1209 Airport Road, Monroe, NC 28110
 TF 800.242.WICK • PH 704.238.9200
 FX 704.238.0220 • info@americanwick.com

