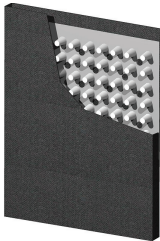


SITEDRAIN™ C-180 SERIES

PREFABRICATED CHIMNEY DRAIN



PRODUCT OVERVIEW

SITEDRAIN C-180 Series geocomposite chimney drain products are composed of a dimpled polymeric perforated core fully wrapped in geotextile. The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path to designated drainage exits.

SITEDRAIN C-180 Series products provide an economical solution for double-sided subsurface drainage applications requiring high strength and high flow capacity. Various geotextile options and product widths are available to meet project-specific requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	C-184	C-186	C-188
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Grab Tensile Strength	ASTM D4632	lbs	135	195	245
		N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
		N	1,624	2,246	2,580
Trapezoidal Tear	ASTM D4533	lbs	60	85	100
		N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	80
		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flow Rate	ASTM D4491	gpm / ft ²	175	155	135
		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364	psf	18,000	18,000	18,000
	ASTM D1621	kPa	862	862	862
Thickness	ASTM D5199	in	0.4	0.4	0.4
		mm	10	10	10
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	21	21
		Lpm/m	261	261	261
COMPOSITE					
Roll Size	MEASURED	in x ft	12 x 100	12 x 100	12 x 100
			24 x 100	24 x 100	24 x 100

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.