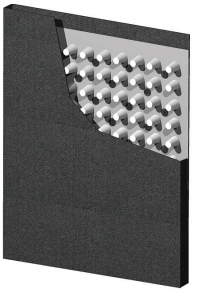
SITEDRAIN™ C-188

PREFABRICATED CHIMNEY DRAIN

AWD
AMERICAN WICK DRAIN



PRODUCT OVERVIEW

SITEDRAIN C-188 geocomposite chimney drain is composed of a dimpled polymeric perforated core fully wrapped in a nonwoven 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-188 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY [1]	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material [2]			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	1	1
Grab Tensile Strength	ASTM D4632	lbs	245	205
		N	1,090	912
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	580	535
		N	2,580	2,380
Trapezoidal Tear	ASTM D4533	lbs	100	80
		N	445	356
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) [3]	ASTM D4751	sieve	80	80
		mm	0.180	0.180
Permittivity	ASTM D4491	sec^{-1}	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft^2	135	100
		Lpm / m^2	5,501	4,074
CORE				
Compressive Strength	ASTM D6364 ASTM D1621	psf	18,000	-
		kPa	862	-
Thickness	ASTM D5199	in	0.4	-
		mm	10	-
In-Plane Flow Rate [4]	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-188-12	12 in	100 ft	45 lbs	11100
C-188-24	24 in	100 ft	72 lbs	11080

[1] Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) 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.

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