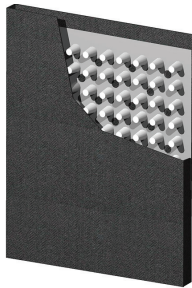


# SITEDRAIN™ C-186

## PREFABRICATED CHIMNEY DRAIN



### PRODUCT OVERVIEW

SITEDRAIN C-186 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-186 is an economical solution for double-sided subsurface drainage applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 2 subsurface drainage requirements.

PROPERTY <sup>1</sup>	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
<b>GEOTEXTILE</b>				
Material <sup>2</sup>			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
		N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
		N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
		N	378	267
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D4751	sieve	70	70
		mm	0.212	0.212
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft <sup>2</sup>	155	110
		Lpm / m <sup>2</sup>	6,315	4,482
<b>CORE</b>				
Compressive Strength	ASTM D6364 ASTM D1621	psf	18,000	-
		kPa	862	-
Thickness	ASTM D5199	in	0.4	-
		mm	10	-
In-Plane Flow Rate <sup>4</sup>	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-

MODEL	WIDTH	ROLL LENGTH	ROLL WEIGHT	ITEM CODE
C-186-12	12 in	100 ft	40 lbs	10990
C-186-18	18 in	100 ft	50 lbs	14940
C-186-24	24 in	100 ft	67 lbs	11070

<sup>1</sup> Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

<sup>2</sup> PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

<sup>3</sup> Values for AOS represent Maximum Average Roll Value (MaxARV).

<sup>4</sup> 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.

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