SITEDRAIN™ STRIP 9000 SERIES

PREFABRICATED STRIP DRAIN

AWD
AMERICAN WICK DRAIN

PRODUCT OVERVIEW

SITEDRAIN Strip 9000 Series geocomposite strip 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 Strip 9000 Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in 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	9400	9400-T	9600	9800
GEOTEXTILE						
Material [2]			PP, NPNW	PP, SBNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3	2	1
Grab Tensile Strength	ASTM D4632	lbs	135	150	195	245
		N	601	670	867	1,090
Grab Elongation	ASTM D4632	%	60	50	60	60
CBR Puncture	ASTM D6241	lbs	365	315	505	580
		N	1,624	1,380	2,246	2,580
Trapezoidal Tear	ASTM D4533	lbs	60	70	85	100
		N	267	310	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70
Apparent Opening Size (AOS)	ASTM D4751	sieve	70	70	70	80
		mm	0.212	0.210	0.212	0.180
Permittivity	ASTM D4491	sec^{-1}	2.4	1.0	2.1	1.8
Water Flow Rate	ASTM D4491	gpm / ft^2	175	70	155	135
		Lpm / m^2	7,130	2,850	6,315	5,501
CORE						
Compressive Strength	ASTM D6364 ASTM D1621	psf	9,500	9,500	9,500	9,500
		kPa	455	455	455	455
Thickness	ASTM D5199	in	1.0	1.0	1.0	1.0
		mm	25.4	25.4	25.4	25.4
In-Plane Flow Rate [3]	ASTM D4716	gpm/ft	21	21	21	21
		Lpm/m	261	261	261	261

[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.

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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