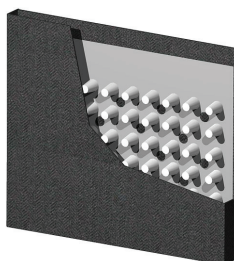
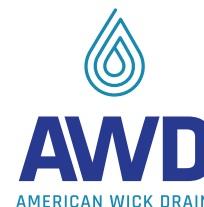


# SITEDRAIN™ HQS 1280

## PREFABRICATED STRIP DRAIN



### PRODUCT OVERVIEW

SITEDRAIN HQS 1280 geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in a nonwoven geotextile with an integrated transition flange for connection to SITEDRAIN geocomposite sheet drain products. 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 HQS 1280 products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems requiring high strength and high flow capacity, and a geotextile meeting AASHTO M288 Class 1 subsurface drainage requirements.

PROPERTY <sup>1</sup>	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material <sup>2</sup>			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) <sup>3</sup>	ASTM D4751	sieve	80	80
		mm	0.180	0.180
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.8	1.4
Water Flow Rate	ASTM D4491	gpm / ft <sup>2</sup>	135	100
		Lpm / m <sup>2</sup>	5,501	4,074
CORE				
Compressive Strength	ASTM D6364 ASTM D1621	psf	9,500	-
		kPa	455	-
Thickness	ASTM D5199	in	1.0	-
		mm	25.4	-
In-Plane Flow Rate <sup>4</sup>	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
	1 x 150	60	11580	

<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 0.1.

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