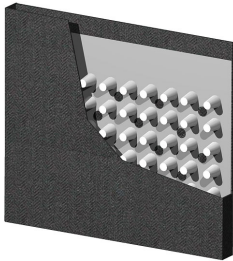


SITEDRAIN™ HQS 1200 SERIES

PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HQS 1200 Series geocomposite strip drain products are composed of a dimpled polymeric perforated core fully wrapped in 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 1200 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 are available to meet project-specific requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	1240	1260
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2
Grab Tensile Strength	ASTM D4632	lbs	135	195
		N	601	867
Grab Elongation	ASTM D4632	%	60	60
CBR Puncture	ASTM D6241	lbs	365	505
		N	1,624	2,246
Trapezoidal Tear	ASTM D4533	lbs	60	85
		N	267	378
UV Resistance	ASTM D4355	% / 500 Hrs	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70
		mm	0.212	0.212
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1
Water Flow Rate	ASTM D4491	gpm / ft ²	175	155
		Lpm / m ²	7,130	6,315
CORE				
Compressive Strength	ASTM D6364 ASTM D1621	psf	9,500	9,500
		kPa	455	455
Thickness	ASTM D5199	in	1.0	1.0
		mm	25.4	25.4
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	21
		Lpm/m	261	261
COMPOSITE				
Roll Size	MEASURED	ft	1 x 150	1 x 150

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 0.1.

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