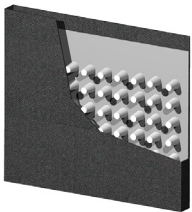


# SITEDRAIN™ HQS SERIES

PREFABRICATED BASE DRAINS



### PRODUCT OVERVIEW

SITEDRAIN HQS Series prefabricated base drain combine a high-profile perforated strip drain core with a transition flange for connection to SITEDRAIN Sheet DS Series prefabricated drains. Constructed using a high strength, high flow capacity formed polystyrene drainage core, SITEDRAIN HQS has a nonwoven filter fabric bonded to both sides. The filter fabric prevents soil particles from entering the flow channels while allowing water to freely enter the drain core from both sides. SITEDRAIN HQS is designed as a direct replacement for costly perforated pipe and stone drainage system in soil drainage applications.

SITEDRAIN HQS is available with filter fabrics meeting AASHTO M 288-06 specifications.

PACKAGING: HQS 1200 Series - 12" x 150' Rolls  
 HQS 1800 Series - 18" x 150' Rolls

Typical Property Values	ASTM Test Method	Unit of Measure	1200	1240	1260	1280
			1800	1840	1860	1880
<b>FABRIC</b>						
Material <sup>1</sup>			PP	PP	PP	PP
Water Flow Rate	D-4491	gpm/ft <sup>2</sup>	150	150	110	90
		Lpm/m <sup>2</sup>	6,113	6,113	4,483	3,668
Grab Tensile Strength	D-4632	lbs	115	130	160	205
		N	512	578	712	912
Puncture Resistance	D-4833	lbs	70	75	90	120
		N	311	334	400	534
Apparent Opening Size	D-4751	sieve	70	70	70	80
		mm	0.210	0.210	0.210	0.177
Permittivity	D-4491	sec <sup>-1</sup>	2.2	2.1	1.8	1.3
Grab Elongation	D-4632	%	70	70	70	70
UV Resistance	D-4355	% / 500 Hrs	70	70	70	70
AASHTO M 288-06 <sup>2</sup>	Survivability	-	-	Class 3	Class 2	Class 1
<b>CORE</b>						
Material <sup>1</sup>			HIPS	HIPS	HIPS	HIPS
Thickness	D-1777	in	1.0	1.0	1.0	1.0
		mm	25.4	25.4	25.4	25.4
Compressive Strength	D-1621	psf	9,000	9,000	9,000	9,000
		kPa	431	431	431	431
Flow Rate <sup>3</sup>	D-4716	gpm/ft	21	21	21	21
		Lpm/m	261	261	261	261

1 - PP = Polypropylene; HIPS = High Impact Polystyrene  
 2 - AASHTO Designation: M 288-06 Standard Specification for Highway Applications; American Association of State Highway and Transportation Officials, 2006. Geotextile survivability classification from installation stresses in subsurface drainage applications.  
 3 - In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 0.1.



**AWD**  
 AMERICAN WICK DRAIN

1209 Airport Road, Monroe, NC 28110  
 TF 800.242.WICK • PH 704.238.9200  
 FX 704.238.0220 • info@americanwick.com



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