

SITEDRAIN™ HQ SERIES

PREFABRICATED BASE DRAINS



PRODUCT OVERVIEW

SITEDRAIN HQ Series prefabricated combination drains combine our most popular low-profile sheet core with a high-profile core into one product design. Constructed using a graduated, high flow capacity formed polystyrene drainage core, SITEDRAIN HQ has a nonwoven filter fabric bonded to one side. The fabric prevents soil particles from entering the flow channels while allowing water to freely enter the drainage core and flow to designated exits. SITEDRAIN HQ has a core flange for connection to SITEDRAIN Sheet 90 or 180 to provide a continuous and uninterrupted flow path for collected water. The result is a highly cost-effective design alternative to costly pipe and stone systems.

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

Typical Property Values	ASTM Test Method	Unit of Measure	240	244	246	248
FABRIC						
Material ¹			PP	PP	PP	PP
Water Flow Rate	D-4491	gpm/ft ²	150	150	110	90
		Lpm/m ²	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 ⁻¹	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 ²	Survivability	-	-	Class 3	Class 2	Class 1
CORE						
Material ¹			HIPS	HIPS	HIPS	HIPS
Thickness	D-1777	in	.44 / 1.0	.44 / 1.0	.44 / 1.0	.44 / 1.0
		mm	11 / 25.4	11 / 25.4	11 / 25.4	11 / 25.4
Compressive Strength	D-1621	psf	9,000	9,000	9,000	9,000
		kPa	431	431	431	431
Flow Rate ³	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.