

SITEDRAIN™ HQ 240 SERIES

PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HQ 240 Series geocomposite combination drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The 24"-wide product combines 12" of high-profile 1"-thick core with 12" of low-profile 0.4"-thick core and includes an integrated transition flange for easy connection to SITEDRAIN geocomposite sheet drain products. SITEDRAIN HQ 240 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	244	246	248
GEOTEXTILE					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	2	1
Grab Tensile Strength	ASTM D4632	lbs	135	195	245
		N	601	867	1,090
Grab Elongation	ASTM D4632	%	60	60	60
CBR Puncture	ASTM D6241	lbs	365	505	580
		N	1,624	2,246	2,580
Trapezoidal Tear	ASTM D4533	lbs	60	85	100
		N	267	378	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	70	70	80
		mm	0.212	0.212	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.4	2.1	1.8
Water Flow Rate	ASTM D4491	gpm / ft ²	175	155	135
		Lpm / m ²	7,130	6,315	5,501
CORE					
Compressive Strength	ASTM D6364 ASTM D1621	psf	9,000	9,000	9,000
		kPa	431	431	431
Thickness	ASTM D5199	in	0.4 / 1.0	0.4 / 1.0	0.4 / 1.0
		mm	10 / 25.4	10 / 25.4	10 / 25.4
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	21	21
		Lpm/m	261	261	261
COMPOSITE					
Roll Size	MEASURED	ft	2 x 50	2 x 50	2 x 50

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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