

SITEDRAIN™ HQ 240-B SERIES

PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HQ 240-B Series geocomposite combination drain products are composed of a dimpled polymeric core with a geotextile bonded to the dimple side and a polymeric film bonded to the back 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 polymeric backing film provides system compatibility with softer waterproofing membranes. 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-B Series products provide a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and additional protection for softer waterproofing membranes. Various geotextile options are available to meet project-specific requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	244-B	246-B	248-B
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.

All technical information contained in this document is accurate as of publication. AWD reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.

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