

SITEDRAIN™ HQ 244

PREFABRICATED STRIP DRAIN



PRODUCT OVERVIEW

SITEDRAIN HQ 244 geocomposite combination drain is composed of a dimpled polymeric core with a nonwoven 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 244 provides a value engineered alternative to perforated pipe and aggregate subsurface drainage systems in applications requiring high strength, high flow capacity, and a geotextile meeting AASHTO M288 Class 3 subsurface drainage requirements.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	3	3
Grab Tensile Strength	ASTM D4632	lbs	135	120
		N	601	534
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	365	340
		N	1,624	1,512
Trapezoidal Tear	ASTM D4533	lbs	60	50
		N	267	222
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	1.7
Water Flow Rate	ASTM D4491	gpm / ft ²	175	140
		Lpm / m ²	7,130	5,704
CORE				
Compressive Strength	ASTM D6364 ASTM D1621	psf	9,000	-
		kPa	431	-
Thickness	ASTM D5199	in	0.4 / 1.0	-
		mm	10 / 25.4	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
	2 x 50	33	10810	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) 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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