

# SITEDRAIN™ HQ 244-B

## PREFABRICATED STRIP DRAIN



### PRODUCT OVERVIEW

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

PROPERTY <sup>1</sup>	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material <sup>2</sup>			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) <sup>3</sup>	ASTM D4751	sieve	70	70
		mm	0.212	0.212
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.4	1.7
Water Flow Rate	ASTM D4491	gpm / ft <sup>2</sup>	175	140
		Lpm / m <sup>2</sup>	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 <sup>4</sup>	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
	2 x 50	34	16440	

<sup>1</sup> Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

<sup>2</sup> PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

<sup>3</sup> Values for AOS represent Maximum Average Roll Value (MaxARV).

<sup>4</sup> 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.