SITEDRAIN™ HQ 246

PREFABRICATED STRIP DRAIN

AWD
AMERICAN WICK DRAIN

PRODUCT OVERVIEW

SITEDRAIN HQ 246 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 246 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 2 subsurface drainage requirements.

PROPERTY [1]	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material [2]			PP, NPNW	PP, NPNW
Survivability	AASHTO M288	Class	2	2
Grab Tensile Strength	ASTM D4632	lbs	195	160
		N	867	712
Grab Elongation	ASTM D4632	%	60	50
CBR Puncture	ASTM D6241	lbs	505	410
		N	2,246	1,824
Trapezoidal Tear	ASTM D4533	lbs	85	60
		N	378	267
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}	2.1	1.5
Water Flow Rate	ASTM D4491	gpm / ft^2	155	110
		Lpm / m^2	6,315	4,482
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	39	10820	

[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 1.0.

American Wick Drain • 1209 Airport Road, Monroe, NC 28110 USA • TF: +1.800.242.9425 • PH: +1.704.238.9200 • EMAIL: info@awd-usa.com • WEB: awd-usa.com