

# EXCELDRAIN™ STRIP

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## PREFABRICATED TURF STRIP DRAINS



### PRODUCT OVERVIEW

EXCELDRAIN Strip prefabricated soil drains are constructed by fully wrapping a perforated, high flow capacity polystyrene core with a nonwoven filter fabric. The filter fabric is bonded to the core and prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from all sides.

EXCELDRAIN Strip is a cost-effective, sustainable, performance driven alternative to perforated pipe & stone systems.

### TECHNICAL DATA

FABRIC	ASTM TEST METHOD	UNIT OF MEASURE	TYPICAL VALUES
Material <sup>1</sup>			PP
Water Flow Rate	D-4491	gpm/ft <sup>2</sup>	150
		Lpm/m <sup>2</sup>	6113
Grab Tensile Strength	D-4632	lbs	115
		N	512
Puncture Resistance	D-4833	lbs	70
		N	311
Apparent Opening Size	D-4751	sieve	70
		mm	0.210
Permittivity	D-4491	sec <sup>-1</sup>	2.2
Grab Elongation	D-4632	%	70
UV Resistance	D-4355	% / 500 Hrs	70
AASHTO M 288-06 <sup>2</sup>	Survivability	-	-

### CORE

Material <sup>1</sup>			HIPS
Thickness	D-1777	in	1.0
		mm	25.4
Compressive Strength	D-1621	psf	6,000
		kPA	287
Flow Rate <sup>3</sup>	D-4716	gpm/ft	21
		Lpm/m	261

1 - PP = Polypropylene; HIPS = High Impact Polystyrene

2 - AASHTO Designation: M 288-06 Standard Specification for Highway Applications; American Association of State Highway and Transportation Officials, 2006. Geotextile survivability classification from installation stresses in subsurface drainage applications.

3 - In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.



WIDTH	ROLL LENGTH
6"	150'
12"	150' or 500'

### FITTINGS:

AWD has a full line of fittings that transition collected water from strip drains to standard 4" pipe.



AWDEXSTR-021310



1209 Airport Road, Monroe, NC 28110  
 TF 800.242.WICK • PH 704.238.9200  
 FX 704.238.0220 • info@americanwick.com

