



# ENKATURF<sup>®</sup> DRAIN9323

INDUSTRIAL PRODUCTS - FIELD DRAINAGE

## PRODUCT DESCRIPTION

Enkaturf<sup>®</sup> Drain 9323 is a 12" wide strip drain product consisting of a 1" thick nylon core of fused, entangled filaments completely encased in a nonwoven heat-bonded geotextile fabric. Enkaturf<sup>®</sup> Drain strips eliminate the need for perforated drainage pipe and the associated ordeal of installing a larger diameter drain with surrounding aggregate.

## APPLICATIONS

- ▶ Playgrounds
- ▶ Playing fields
- ▶ Footing drain
- ▶ Tunnel drainage
- ▶ Low-lying area drainage
- ▶ Perforated pipe replacement
- ▶ Exterior & interior planters
- ▶ Ball diamonds
- ▶ Golf courses

## FEATURES & BENEFITS

- ▶ Excellent durability
- ▶ Thin profile significantly reduces turf trauma during installation
- ▶ Conforms to irregular surfaces and corners with complete and effective coverage
- ▶ Geometric structure creates safe flow path even during backfill
- ▶ Continuous flow even under high loads
- ▶ Long rolls reduce installation costs by eliminating interlocking and excessive seams

## POLYMER PROPERTIES

Nylon has excellent resistance to a variety of chemicals, alkalines, dilute acids, fuels and solvents found on construction sites. It is lightweight, but also very wear and abrasion resistant. Nylon also has high tensile strength and a high heat distortion temperature.

## PHYSICAL PROPERTIES

Property	Imperial	Metric
Core Material	Nylon 6	
Core Color	Black	
Thickness w/fabric	0.9 in	23.0 mm
Total Weight	31.3 oz/yd <sup>2</sup>	1061.0 g/m <sup>2</sup>
Core Weight	20.6 oz/yd <sup>2</sup>	698.0 g/m <sup>2</sup>
Durability Characteristics	80% Strength Retention	
Low Temperature	-100° F	-73° C
High Temperature	250° F	121° C
Fuel & Gasoline Submersion	Stable	

## FLOW RATES

Property	0.05 Gradient	0.1 Gradient	0.25 Gradient
250 psf	5.0 gal/min/ft	8.0 gal/min/ft	14.5 gal/min/ft
500 psf	4.5 gal/min/ft	7.0 gal/min/ft	12.0 gal/min/ft
750 psf	3.7 gal/min/ft	6.0 gal/min/ft	10.0 gal/min/ft
1000 psf	3.2 gal/min/ft	5.0 gal/min/ft	9.0 gal/min/ft

Typical flow -v- pressure for vertical applications (ASTM D-4716)  
Sample configuration: Plate/Enkadrain/Plate

## PACKAGING

Property	Imperial	Metric
Rolls per package	1	
Roll Diameter	36.0 in	91.4 cm
Core Width	12 in	30.0 cm
Total Length per package	100 ft	30.0 m
Area per roll	10.8 yd <sup>2</sup>	9.1 m <sup>2</sup>
Area per package	10.8 yd <sup>2</sup>	9.1 m <sup>2</sup>
Gross package weight	22.0 lbs	9.75 kg

## FABRIC PROPERTIES

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Polymer		PA6 & PET	
Fabric Color		Grey	
Weight	ASTM D-3776	3.54 oz/yd <sup>2</sup>	120.0 g/m <sup>2</sup>
Grab Strength MD/CD	ASTM D-4632	125.0 lbs	556.0 N
Grab Elongation	ASTM D-4632	40%	40%
Trapezoidal Tear	ASTM D-4533	40.0 lbs	178.0 N
Puncture Strength	ASTM D-4833	35.0 lbs	155.0 N
Mullen Burst	ASTM D-3786	160.0 psi	1102.0 kPa
AOS (maximum average)	ASTM D-4751	45	0.357 mm
Flow Rate	ASTM D-4491	185.0 gpm/min/ft <sup>2</sup>	125.0 l/sec/m <sup>2</sup>
Permittivity	ASTM D-4491	2.5 sec <sup>-1</sup>	2.5 sec <sup>-1</sup>

**NOTE:** To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. AMERICOVER, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at [www.Americover.com](http://www.Americover.com)

LB 31119