



ENKADRAIN[®] 9120

BUILDING PRODUCTS - DRAINAGE

PRODUCT DESCRIPTION

Enkadrain[®] 9120 is a drainage product consisting of a nylon core of fused, entangled filaments and a geotextile fabric bonded to one side. The product is used as a means of relieving hydrostatic pressure from backfills abutting below grade structures, planters and for lateral drainage of roof decks.

APPLICATIONS

- ▶ Retaining walls
- ▶ Underground parking
- ▶ Residential basements
- ▶ Beneath slabs
- ▶ Earth sheltered homes
- ▶ Pavements
- ▶ Exterior planters
- ▶ Interior planters
- ▶ Commercial buildings

FEATURES & BENEFITS

- ▶ Excellent durability
- ▶ Protects waterproofing during and after backfill
- ▶ Conforms to irregular surfaces and corners with complete and effective coverage
- ▶ Long rolls reduce installation costs by eliminating interlocking and excessive seams
- ▶ Continuous drain flow even under high loads
- ▶ Dimensionally stable in hot weather - not brittle in cold
- ▶ Geometric structure creates safe flow path even during backfill

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 is 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	
Thickness	0.8 in	20.3 mm
Total Weight	25.6 oz/yd ²	868.0 g/m ²
Core Weight	21.3 oz/yd ²	722 g/m ²

Property	Imperial	Metric
Durability Characteristics	80% Strength Retention	
Low Temperature	-100° F	-73° C
High Temperature	250° F	121° C
Fuel & Gasoline Submersion	Stable	
Surface Burning ASTM E 84- 11a	Class A	
Flame Spread Index	0	
Smoke Developed Index	20	

FLOW RATES

Property	1.0 Gradient
500 psf	17.5 gal/min/ft
750 psf	12.0 gal/min/ft
1000 psf	8.0 gal/min/ft
1500 psf	4.5 gal/min/ft
2000 psf	3.0 gal/min/ft

PACKAGING

Property	Imperial	Metric
Core Width	39.0 in	99.1 cm
Length	100.0 ft	30.5 m
Area	36.0 yd ²	30.1 m ²
Area	324.0 ft ²	30.1 m ²
Roll Diameter	35.0 in	88.9 cm
Gross Roll Weight	62.0 lbs	28.1 kg

FABRIC PROPERTIES

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Polymer		PA6 & PET	
Fabric Color		Grey	
Weight	ASTM D-3776	3.54 oz/yd ²	120.0 g/m ²
Grab Strength	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 Resistance	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		0.357 mm
Flow Rate	ASTM D-4491	185.0 gpm/ft ²	125.0 l/sec/m ²
Permittivity	ASTM D-4491	2.5 sec ⁻¹	2.5 sec ⁻¹

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

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