



ENKADRAIN[®] 9714

BUILDING PRODUCTS - COMMERCIAL RAINSCREEN

PRODUCT DESCRIPTION

Enkadrain[®] 9714 is an exterior wall drain product designed for use behind traditional stucco, EIFS, manufactured stone, fiber cement & metal panel applications. It provides a drain path & ventilation for incidental moisture between exterior wall finish materials & weather barrier sheathing. This product has a unique geometry that combines the benefit of compressive strength according to traditional testing measurements with the spring-like structure of other Enkadrain[®] products.

APPLICATIONS

- ▶ Behind traditional stucco on lath
- ▶ Behind EIFS
- ▶ Behind manufactured stone on lath
- ▶ Behind metal panels
- ▶ Behind fiber cement

PHYSICAL PROPERTIES

Property	Imperial	Metric
Core Material	Nylon 6	
Total Thickness (ASTM D-6525)	0.18 in	4.6 mm
Total Weight	12.34 oz/yd ²	418.4 g/m ²
Fabric Weight	3.54 oz/yd ²	120.0 g/m ²
Core Weight	8.8 oz/yd ²	298.4 g/m ²
Fire Rating	NFPA Class A*	
Smoke Density	70	
Flame Spread	5	
Recycled content Min.-Core	40% Post Industrial (by weight)	
Recycled content Min.-Total	28.5% Post Industrial (by weight)	

*Will not flame spread

FEATURES & BENEFITS

- ▶ Continuously ventilates-removing incidental moisture from wind driven rain pressure differential
- ▶ Redirects & draws moisture away from vulnerable wall sheathing materials
- ▶ Conforms to irregular surfaces and corners with complete and effective coverage
- ▶ Provides 100% coverage of wall area
- ▶ Filter Fabric assures drain path remains completely clear of stucco or mortar
- ▶ Long rolls eliminate numerous seams & reduces installation costs
- ▶ Provides continuous flow even at excessive pressures
- ▶ Dimensionally stable in hot weather, not brittle in cold

FABRIC PROPERTIES

Property	Imperial	Metric
Width (less flap)	39.0 in	99.10 cm
Width (with flap)	44.0 in	106.7 cm
Length	150 ft	45.7 meters
Area	54.8 yd ²	45.8 m ²
Roll Diameter	19.5 in	49.5 cm
Gross Roll Weight	59 lbs.	26.8 kg

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.

COMPRESSION/FLOW

Pressure	Thickness	Thickness	Flow Rate
100 psf	0.160 in	4.07 mm	
200 psf	0.159 in	4.04 mm	
250 psf			5.54 gal/min/ft
300 psf	0.158 in	4.01 mm	
400 psf	0.148 in	4.01 mm	
500 psf	0.157 in	3.99 mm	5.39 gal/min/ft
1000 psf	0.151 in	3.84 mm	5.07 gal/min/ft
1500 psf			4.48 gal/min/ft
2000 psf	0.133 in	3.38 mm	3.95 gal/min/ft
2500 psf			3.60 gal/min/ft
3000 psf			2.83 gal/min/ft
4000 psf	0.072 in	1.83 mm	1.73 gal/min/ft

Values are MARV Minimum Average Roll Value

FABRIC PROPERTIES

Time	Vertical	Horizontal
Caliberation ¹	2.21 gal.	2.25 gal.
15 min	0.33 gal.	0.34 gal.
30 min	0.76 gal.	0.77 gal.
45 min	1.19 gal.	1.22 gal.
60 min	1.63 gal.	1.66 gal.
75 min ²	2.06 gal.	2.10 gal.
135 min.	2.15 gal.	2.19 gal.
Efficiency ³	97.5%	97.5%

Avg. time from first water to first drain over 8 ft. Wall panel is 91.5 seconds

AC 24* DRAINAGE TEST

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Polymer		PA6 & PET	
Weight	ASTM D-5261	3.54 oz/yd ²	120 g/m ²
Grab Strength	ASTM D-4632	125.0 lbs	556 N
Grab Elongation	ASTM D-4632	40%	40%
Trapezoidal Tear	ASTM D-4533	40.0 lbs	178 N
Puncture Resistance	ASTM D-4833	35.0 lbs	155 N
Mullen Burst	ASTM D-3786	160.0 psi	1102 Kpa
AOS (maximum average)	ASTM D-4751		.357 mm
Flow Rate	ASTM D-4491	185.0 gpm/ft ²	125 l/sec/m ²
Permittivity	ASTM D-4491	2.5 sec ⁻¹	2.5 sec ⁻¹
Fabric Color		Grey	

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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