



# ENKADRAIN<sup>®</sup> 3801

BUILDING PRODUCTS - DRAINAGE

## PRODUCT DESCRIPTION

Enkadrain<sup>®</sup> 3801 is a new thin drainage composite which is part of the Enkadrain<sup>®</sup> family of environmentally conscious products. It consists of a post-industrial recycled white polypropylene drainage core and a strong white Colback filter fabric thermally bonded to one side and a grey Colback fabric bonded to the other. The U groove entangled filament configuration is protected from UV degradation for 30 days. This product's post-industrial recycled content, can help contribute up to 2 LEED points when used in conjunction with other recycled content products. Enkadrain<sup>®</sup> 3801 can contribute towards other LEED points when used with a green roof by reducing stormwater runoff, heat islands & energy consumption.

## APPLICATIONS

- ▶ Split slab construction
- ▶ Plaza decks
- ▶ Under pavers
- ▶ Green roofs
- ▶ Foundation walls

## FEATURES & BENEFITS

- ▶ Excellent durability
- ▶ Reflects heat to prevent insulation board warping & membrane softening during construction
- ▶ Continuous flow in all directions, even under high loads
- ▶ Protects waterproofing during construction
- ▶ Conforms to irregular surfaces and corners
- ▶ Long rolls reduce installation costs by reducing butt seams and eliminating interlocking
- ▶ Recycled content polymer contributes towards LEED points
- ▶ 3" fabric overlap flap on both front & back fabrics

## PHYSICAL PROPERTIES

Polypropylene has excellent resistance to organic solvents, degreasing agents, acids, and alkalines. It has tensile strength superior to high density polyethylene. It has a low moisture absorption rate, is resistant to staining, and is very light weight.

## PHYSICAL PROPERTIES

Property	Imperial	Metric
Core Material	Polypropylene - 40% Recycled	Polypropylene - 40% Recycled
Thickness	0.30 in	7.6 mm
Total Weight	21.9 oz/yd <sup>2</sup>	742.6 g/m <sup>2</sup>
Core Weight	16.0 oz/yd <sup>2</sup>	542.6 g/m <sup>2</sup>

## FLOW RATES

Property	1.0 Gradient
500 psf	10.55 gal/min/ft
1000 psf	9.71 gal/min/ft
2000 psf	8.34 gal/min/ft
3000 psf	6.63 gal/min/ft
4000 psf	4.99 gal/min/ft

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

## PACKAGING

Property	Imperial	Metric
Core Width	48.0 in	121.9 cm
Length	50 ft	15.2 m
Area	22.2 yd <sup>2</sup>	18.6 m <sup>2</sup>
Area	200 ft <sup>2</sup>	18.6 m <sup>2</sup>
Roll Diameter	15 in	38.1 cm
Gross Roll Weight	32.0 lbs	14.5 kg

## FABRIC PROPERTIES

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Polymer		PA6 & PET	
Fabric Color		White/Grey	
Weight	ASTM D-5261	2.95 oz/yd <sup>2</sup>	100.0 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	177.9 N
Puncture Strength	ASTM D-4833	35.0 lbs	155.0 N
AOS (maximum average)	ASTM D-4751		0.357 mm
Flow Rate	ASTM D-4491	185.0 gal/min/ft <sup>2</sup>	125.6 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)

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