

Technical Data

Fabric Properties

Property	English Units	Metric Units	Test Method
<i>Polymer</i>	<i>Polypropylene</i>		
<i>Fabric Color</i>	<i>Black</i>		
<i>Weight</i>	4.5 oz/yd ²	152.6 g/m ²	ASTM D 5261
<i>Grab Strength MD/CD</i>	120.0 lbs	0.54 kN	ASTM D 4632
<i>Grab Elongation</i>	50%	50%	ASTM D 4632
<i>Trapezoidal Tear</i>	50.0 lbs	0.22 kN	ASTM D 4533
<i>Puncture Strength</i>	70.0 lbs	0.31 kN	ASTM D 4833
<i>AOS (maximum average)</i>	70 US Sieve	0.212 mm	ASTM D 4751
<i>Flow Rate</i>	120.0 gal/min/ft ²	4887 l/sec/m ²	ASTM D 4491
<i>Permittivity</i>	1.8 sec ⁻¹	1.8 sec ⁻¹	ASTM D 4491

Values are MARV Minimum Average Roll Value

Polymer 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.

Packaging

Property	English Units	Metric Units
<i>Product ID</i>	3615-101-0001	
<i>Core Width</i>	39.0 in	99.1 cm
<i>Length</i>	100.0 ft	30.5 m
<i>Area</i>	36.0 yd ²	30.1 m ²
<i>Area</i>	324.0 ft ²	30.1 m ²
<i>Roll Diameter</i>	27.0 in	68.6 cm
<i>Gross Roll Weight</i>	77.0 lbs	34.9 kg

Global Plastic Sheeting

1331 Specialty Drive
 Vista, CA 92081
 Telephone 866.597.9298
 Fax 760.597.9574

*Replaces Enkadrain 9615 and 9120..

To the best of our knowledge, the information contained herein is accurate. However, Colbond Inc. cannot assume any liability whatsoever for the accuracy or completeness thereof. Final determination of the suitability of any information or material for the use contemplated, of its manner of use and whether the suggested use infringes any patents is the sole responsibility of the user. These products may be covered by patents or patents pending.

Description

Enkadrain 3615R is one of a new generation of environmentally conscious Enkadrain products. This drainage composite consists of a post-industrial recycled polypropylene drainage core of fused, entangled filaments and a geocomposite fabric bonded to one side. The entangled filaments are molded into a square waffle pattern that maintains the flexible design of other Enkadrain products. This product, because it exceeds 40% post-industrial recycled content, can help contribute up to 2 LEED points, when used in conjunction with other recycled content products. Enkadrain 3615R can contribute towards additional LEED points when used with a green roof by reducing stormwater runoff, heat islands and energy consumption.

Recommended Applications

- Foundation walls
- Green roofs
- Plaza decks
- Retaining walls
- Beneath slabs
- Earth sheltered homes
- Underground parking
- Exterior planters

Features and Benefits

- Excellent durability
- Protects waterproofing during and after backfill
- Conforms to irregular surfaces and corners
- Waffle design creates open flow path — even during backfill
- Continuous flow even under high loads
- Long rolls reduce installation costs by reducing butt seams and eliminating interlocking
- Recycled content polymer contributes towards LEED points
- Increased flow rates over same thickness nylon and HDPE drains
- Designed for higher load conditions
- 3" fabric overlap flap

Technical Data

Physical Properties

Property	English Units	Metric Units
Core Material	Recycled Polypropylene	
Thickness	0.45 in	11.43 mm
Total Weight	28.5 oz/yd ²	966.4 g/m ²
Core Weight	24.0 oz/yd ²	813.8 g/m ²
Colbond Compressive Load Test ¹	>30,000 psf	kN/m ² No failure*

¹Colbond Test Method: ASTM 1621 D modified and ASTM D 4716

*Failure defined as reaching yield point or no continued measurable flow under stated load

Flow Rates

Pressure	1.0 Gradient	0.5 Gradient	0.2 Gradient
250 psf	21.0 gal/min/ft	14.5 gal/min/ft	9.6 gal/min/ft
500 psf	21.0 gal/min/ft	13.8 gal/min/ft	8.2 gal/min/ft
1000 psf	19.7 gal/min/ft	13.0 gal/min/ft	8.0 gal/min/ft
2000 psf	19.0 gal/min/ft	14.1 gal/min/ft	8.0 gal/min/ft
3000 psf	18.9 gal/min/ft	13.2 gal/min/ft	7.7 gal/min/ft
3600 psf	18.9 gal/min/ft	12.9 gal/min/ft	7.5 gal/min/ft
5000 psf	18.1 gal/min/ft	12.2 gal/min/ft	7.5 gal/min/ft
8000 psf	11.1 gal/min/ft	7.1 gal/min/ft	4.1 gal/min/ft

Typical flow vs. pressure for vertical applications (ASTM D 4716) Sample Configuration: Plate/Enkadrain/Plate
 Values are average of machine direction and cross machine direction test results

Global Plastic Sheeting

1331 Specialty Drive
 Vista, CA 92081
 Telephone 866.597.9298
 Fax 760.597.9574