

RamDrain EN 36R (0.45")



Prefabricated Entangled Net Composite Drainage Mat

Description

RamDrain EN 36R (0.45") is an entangled net prefabricated composite drain 0.45-inches thick, "zig-zag" geometric patterned core, drainage mat with a layer of non-woven geotextile on both front and back of the product. RamDrain EN 36R has a 3-inch (76.2 mm) fabric flange beyond the core to provide overlaps with adjacent drainage courses.

Coverage

400 sq ft



Uses

RamDrain EN 36R is designed to eliminate hydrostatic pressure for plazas decks, foundation walls, balconies and planters in both horizontal and vertical applications.

Flow Rates

Pressure	1.0 Gradient	0.5 Gradient	0.2 Gradient
250 psf	22.5 gal/min/ft	15.5 gal/min/ft	9.2 gal/min/ft
500 psf	22.0 gal/min/ft	15.2 gal/min/ft	8.7 gal/min/ft
1000 psf	20.7 gal/min/ft	14.3 gal/min/ft	8.4 gal/min/ft
2000 psf	19.0 gal/min/ft	13.1 gal/min/ft	8.3 gal/min/ft
3600 psf	13.0 gal/min/ft	8.7 gal/min/ft	5.4 gal/min/ft
5000 psf	8.05 gal/min/ft	5.4 gal/min/ft	3.1 gal/min/ft
8000 psf	3.2 gal/min/ft	2.0 gal/min/ft	1.1 gal/min/ft

Gradient is expressed as a percent of slope.

Typical flow vs. pressure for vertical applications (ASTM D 4716). Sample Configuration: Plate/36R/Plate Values are average of machine direction and cross direction test results.

Fabric Properties

Description	Measurement	Test Method
Fabric Color	Charcoal	
Weight	4.0 oz/yd ² NW (136 g/m ² NW)	ASTM D5261
Grab Tensile Strength	100 lbs (445 N)	ASTM D4623
Grab Tensile Elongation	60%	ASTM D4632
Trapezoid Tear Strength	45 lbs (200 N)	ASTM D4533
CBR Puncture Strength	250 lbs (1448 N)	ASTM D6241
AOS	70 U.S Sieve (0.212 mm)	ASTM D4751
Permittivity	1.9 sec (-1)	ASTM D4491
Permeability	0.21 cm/sec	ASTM D4491
Flow Rate	140 gal/min/ft ² (5704 l/min/m ²)	ASTM D4491
UV Resistance (500 hours)	70% strength retained	ASTM D4355
Compressive Core	Greater than 30,000 PSF	ASTM D1621



Packaging

48"x100'
8 rolls per pallet
56 lbs per roll

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