

Product Data

Driwall™

Prefabricated Composite Drain 10/025

Part Number: 01-X-0012

Description

Driwall™ Prefabricated Composite Drain 10/025 is a 0.25-inch, “zig-zag” geometric patterned core, drainage mat designed to eliminate hydrostatic pressure from behind foundation walls, retaining walls, planters, plaza decks, and balconies.

The product is produced from an extruded polymer matrix of tangled monofilaments, which are heat-welded at the junctions to form a resilient structure. This product utilizes a non-woven geotextile filter fabric to hold the soil or concrete away from the wall or deck and the core.

When using Driwall™ Prefabricated Composite Drain, aggregate for drainage can be eliminated from a construction site.

Applications

- Plazas, foundation walls, and planters
- Balconies
- Bored rock tunnels with moisture flow
- Shotcrete or gunnite applications
- Drainage below grade using the Austrian Tunneling Method
- Can be used with a waterproofing membrane on one side
- Will protect soft membranes

Features and Benefits

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- Minimal deflection, and no creep or long-term degradation
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- Provides a thin profile for tight construction assemblies
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- Lightweight and easy to handle
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Drainage System				
Description	Means of Measurement		Value	
	English	Metric	English	Metric
Core Polymer	Polymeric			
Thickness	Inches	Mm	0.25	6.0

Fabric Properties			
Description	Measurement		Test Method
	English	Metric	
Fabric Color	Charcoal	Polyester	
Weight	1.47 oz/yd ² NW	50 g/m ² NW	ASTM D5261
Thickness	11.8 mils	0.300 mm	ASTM D1777
Grab Tensile Strength	34 lbs	151 N	ASTM D4623
Trapezoid Tear Strength	5 lbs	22 N	ASTM D4533
CBR Puncture Strength	250 lbs	1448 N	ASTM D6241

Flow Rates by Application: ASTM D4716

Hydraulic Gradients:	1.0 Gradient (100% Slope or "Vertical Wall")	0.5 Gradient (50% Slope or "Very Steep Roof / Balcony")	0.02 Gradient (2% Slope or "Industry-Standard Balcony Slope")
	Flow Rate (gpm/ft. of width)	Flow Rate (gpm/ft. of width)	Flow Rate (gpm/ft. of width)
250 psf	14.13	9.10	1.27
500 psf	13.80	8.84	1.24
1,000 psf	12.48	7.48	1.12
2,000 psf	4.52	6.32	0.65
3,000 psf	3.58	3.04	0.34
4,000 psf	2.48	1.96	0.26
5,000 psf	1.95	1.26	0.11

Packaging				
Description	Means of Measurement		Value	
	English	Metric	English	Metric
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	100	30.5
Area	Square Feet	Square Meters	400	37.2
Roll Weight	Pounds	Kg	53.0	24.0

See installation instructions for methods and procedures.

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