Product Data

Driwall™

Prefabricated Composite Drain 10/013-2

Part Number: 01-X-0016

Description

Driwall™ Prefabricated Composite Drain 10/013-2 is a 0.125-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
- Will protect soft membranes

Features and Benefits

- Minimal deflection, and no creep or long-term degradation
- Provides a thin profile for tight construction assemblies
- Lightweight and easy to handle

Drainage System

Description	Means of Measurement		Value	
	English	*Metric*	*English*	*Metric*
Core Polymer	Polymeric			
Thickness	Inches	Mm	0.125	3.175

Top 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

Bottom Fabric Properties

Description	Measurement		Test Method
	English	Metric	
Fabric Color	Charcoal	Polyester	
Weight	2.7 oz/yd^2	90 gsm	ASTM D5261
Thickness	16.5 mils	0.42 mm	ASTM D1777
Grab Tensile Strength	75 lb	335 N	ASTM D4623
Trapezoid Tear Strength	36 lb	160 N	ASTM D4533
CBR Puncture Strength	165	734	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"
Compression Strength	Flow Rate (gpm/ft. of width)	Flow Rate (gpm/ft. of width)	Flow Rate (gpm/ft. of width)
250 psf	5.25	3.53	0.29
500 psf	5.15	3.43	0.28
1,000 psf	4.73	3.12	0.28
2,000 psf	4.49	2.74	0.27
3,000 psf	4.29	2.74	0.27
4,000 psf	3.13	1.98	0.14
5,000 psf	1.12	0.67	0.04

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	40	13.6

See installation instructions for methods and procedures.

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The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

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