

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

Minimal deflection, and no creep or long-term degradation

Provides a thin profile for tight construction assemblies

Lightweight and easy to handle

Drainage Systems

Description	Measurement	
	English	Metric
Flame Spread	ASTM 84 Class A	
Core Polymer	Polymeric	
Thickness	0.25 inches	6.0 mm

Fabric Properties

Description	Measurement		Test Method
	English	Metric	
Fabric Color	Charcoal		
Weight	4.0 oz/ycd ² NW	136 g/m ² NW	ASTM D5261
Grab Tensile Strength	100 lbs	445 N	ASTM D4623
Grab Tensile Elongation	60%	60%	ASTM D 4632
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)	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% strenght retained		ASTM D4355

Flow Rate Chart

Soil Depth Feet	Wall Pressure (Max) Pounds/Kg	Seepage Clay Soil Gpm/ft	Seepage Silty Soil Gpm/ft	Seepage Sandy Soil Gpm/ft	Flow Gpm/ft
10	400	1.2 ⁻⁷	0.00012	0.012	12
20	800	2.4 ⁻⁷	0.00024	0.024	7
30	1200	3.6 ⁻⁷	0.00036	0.036	6
40	1600	5.0 ⁻⁷	0.00050	0.050	3

Packaging

Description	Measurement	
	English	Metric
Width	48 inches	122 cm
Length	100 feet	30.4 meters
Area	400 sq ft	37.2 sq meters
Weight	53.0 lbs.	24.0 Kg

LIMITED WARRANTY: Keene Building Products, Inc. warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Keene Building Products, Inc. will correct any such failure by either replacing or repairing any defective goods, at Keene Building Products, Inc.'s option.

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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2/2
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