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 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/yd² NW | 50 g/m² 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") |
|---|---|---|---|
| Compression Strength | 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.

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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