

Product Data

TriDent™ DD 025

High-Performance Dimpled Composite Drain
Part Number: 01-X-0154



Description

TriDent™ DD is a high-performance drainage sheet engineered to relieve hydrostatic pressure by creating a channel for liquid water. TriDent™ DD is a two-layer system. The first system layer is constructed of a high strength, moisture impermeable, cusped (dimpled) polystyrene sheet designed to provide superior compressive strength. Adhered to the high strength, cusped polymer base is a nonwoven, polypropylene filter fabric. The filter fabric works in conjunction with the HIPS sheet to efficiently promote a high water flow while preventing silt, dirt, and concrete from penetrating the drainage channel. TriDent™ DD is suitable as a drainage layer for applications such as: (1) plaza decks, (2) under slab, (3) vertical walls (above and below grade), (4) green roof systems, and (5) commercial planters.

Applications

- ✓ Foundations
- ✓ Commercial planters
- ✓ Under slab drainage
- ✓ Green roofs
- ✓ Plaza decks

Features and Benefits

Drainage of excess moisture and ventilation in one product

Creates an air gap between the membrane and the foundation

Light weight and easy to handle

High performance filter fabric

High strength

Packaging

Description	Means of Measurement		Value	
	English	Metric	English	Metric
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	50.0	15.24
Area	Square Feet	Square Meters	200	18.58
Rolls per pallet			18	18
Roll Weight	Pounds	Kg	36	16.33

Physical Properties

Description	Means of Measurement English/Metric		Test Method
Drain Properties			
Flow Capacity	12 gpm/ft of width	155 L/min/m of width	ASTM D-4716
Core Properties			
Material	HIPS		
Thickness	¼"	6.35 mm	
Compressive Strength	10,000 lb/ft ²	527 kPa	ASTM D-1777
Fabric Properties			ASTM D-1621
Material	Polypropylene		
Grade Tensile Strength	110 lbf	445 N	
Puncture Strength	65 lbf	289 N	ASTM D-4632
Grab Strength	60%		ASTM D-4833
EOS (AOS)	100 sieve	0.152mm	ASTM D-4632
UV at 500 hours	70%		ASTM D-4751
Flow Rate	150 gal/min/ft ²	6110/min/m ²	ASTM D-4355
			ASTM D-4491