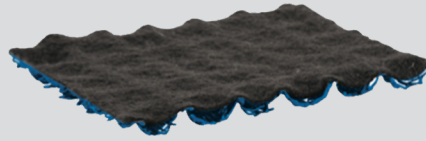


SOPRADRAIN™ ECOVENT



APPLICATIONS

VEGETATED SOLUTIONS

PRODUCT DATA SHEET PD10105 -REV.032321

DESCRIPTION:

SOPRADRAIN **Ecovent** is a geometric patterned core drainage mat designed to eliminate hydrostatic pressure on vegetated roofs, foundation walls, retaining walls, planter and plaza decks while providing a protection fabric for the waterproof membrane. SOPRADRAIN **Ecovent** is composed from an extruded polymer matrix of intertwined monofilaments that are heat-welded together forming a durable structure. One side of the mat is lined with a non-woven geotextile filter fabric designed to keep soil and concrete away from the wall, deck and core.

STORAGE & HANDLING:

Store product in a clean dry location and cover as necessary to protect from environmental damage such as extreme cold, heat, or moisture. Ballast down during installation to prevent loss of product.

APPLICATION:

Unroll SOPRADRAIN **Ecovent** onto the designated surface. Overlap joints at each intersection.

QUICK FACTS:

Length (ft)	Width (in)	Diameter (in)	Roll Weight (lb)	Area (ft ²)
100.0 (30.5 m)	48 (122.0 cm)	27.0 (68.6 cm)	57.0 (25.9 kg)	400 (37.2 m ²)

PROPERTIES:

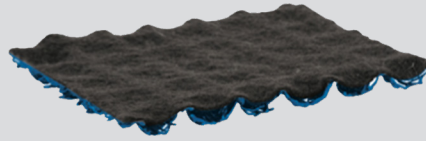
Properties	Value
Core material	Polypropylene
Thickness, in (mm)	.50 (12.7)
Compressive Strength, psf (kPa)	>30,000 (1436)
Core weight, oz/yd ² (g/m ²)	16.0 (543.0)
Fabric weight @ 1 fabric, oz/yd ² (g/m ²)	4.0 (152.6)
Flow rate, gal/min/ft ² (l/sec/m ²)	120.0 (4887.0)

Note: Test Method: ASTM D 1621 modified and ASTM D4716
* Failure defined as reaching yield point or no continued measurable flow under stated load



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FLOW RATES:

Pressure	1.0 Gradient	0.5 Gradient	0.2 Gradient
250 psf	22.5 gal/min/ft	15.5 gal/min/ft	9.2 gal/min/ft
500 psf	22.0 gal/min/ft	15.2 gal/min/ft	8.7 gal/min/ft
1000 psf	20.7 gal/min/ft	14.3 gal/min/ft	8.4 gal/min/ft
2000 psf	19.0 gal/min/ft	13.1 gal/min/ft	8.3 gal/min/ft
3000 psf	16.0 gal/min/ft	11.0 gal/min/ft	6.4 gal/min/ft
3600 psf	13.0 gal/min/ft	8.7 gal/min/ft	5.4 gal/min/ft
5000 psf	8.05 gal/min/ft	5.4 gal/min/ft	3.1 gal/min/ft
8000 psf	3.2 gal/min/ft	2.0 gal/min/ft	1.1 gal/min/ft

Typical flow vs. pressure for vertical applications (ASTM D 4716) Sample configuration: Plate/SOPRADRAIN ECO-VENT/ Plate
(Values are average of machine direction and cross machine direction test results.)