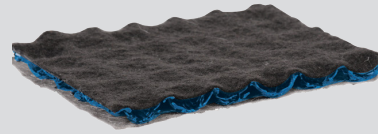


SOPRADRAIN™ ECOVENT 2



APPLICATIONS

VEGETATED SOLUTIONS

PRODUCT DATA SHEET PD10105 -REV.032321

DESCRIPTION:

SOPRADRAIN **Ecovent 2** 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. The underside is surfaced with a heat-laminated protective fabric, and the top side is surfaced with a heat-laminated filter fabric.

STORAGE & HANDLING:

Store product in a clean dry location and cover as necessary to protect from environmental damage such as extreme cold, heat, moisture or direct sunlight and physical damage.

APPLICATION:

Unroll SOPRADRAIN **Ecovent 2** onto the designated surface with the black filter fabric facing up. Overlap joints a minimum of 6" at the lap. Ballast down during installation to prevent loss of product.

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)	64.2 (29.1 kg)	400 (37.2 m ²)

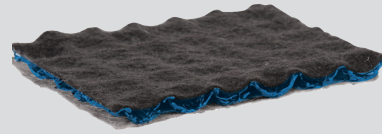
PROPERTIES:

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/min/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	20.2 gal/min/ft	13.6 gal/min/ft	7.7 gal/min/ft
500 psf	18.1 gal/min/ft	12.4 gal/min/ft	7.3 gal/min/ft
1000 psf	17.9 gal/min/ft	12.2 gal/min/ft	7.2 gal/min/ft
2000 psf	16.8 gal/min/ft	16.8 gal/min/ft	11.2 gal/min/ft
3000 psf	12.9 gal/min/ft	7.9 gal/min/ft	4.9 gal/min/ft
3600 psf	8.6 gal/min/ft	4.7 gal/min/ft	2.8 gal/min/ft
5000 psf	3.8 gal/min/ft	2.5 gal/min/ft	1.3 gal/min/ft
8000 psf	1.7 gal/min/ft	1.0 gal/min/ft	0.5 gal/min/ft

Typical flow vs. pressure for vertical applications (ASTM D 4716) Sample configuration: Plate/SOPRADRAIN ECOVENT 2/ Plate
(Values are average of machine direction and cross machine direction test results.)