

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

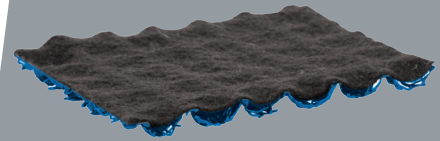
SOPRADRAIN Ecovent is a geometric patterned core drainage mat designed to eliminate hydrostatic pressure on vegetated roofs, foundation walls, retaining walls, planter and plaza decks while providing a protection fabric for the waterproof membrane. SOPRADRAIN Ecovent is composed from an extruded polymer 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)	ROLL WEIGHT (lb)	DIAMETER (in)	CORE WIDTH (in)	AREA (ft ²)
100.0 (30.5 m)	57.0 (25.8 kg)	27.0 (68.6 cm)	48.0 (122 cm)	399.6 (37.2 m ²)

TECHNICAL INFORMATION & TESTING

PHYSICAL PROPERTIES	
PROPERTY	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)

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.)