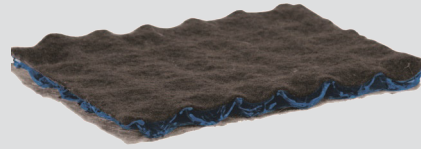


SOPRADRAIN™ ECOVENT 2

Patterned Core Drainage Mat



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10103 - REV 230322

PRODUCT NUMBERS:

- W707 - 100 ft x 48 in (30.5 x 1.2 m) - Mat

DESCRIPTION & FEATURES:

SOPRADRAIN ECOVENT 2 is a geometric patterned core drainage mat designed to eliminate hydrostatic pressure on vegetated roofs, foundation walls, retaining walls, planters and plaza decks while providing a protection fabric for the waterproof membrane. **SOPRADRAIN ECOVENT 2** is composed from an extruded polymer matrix of intertwined monofilaments that are heat-welded together forming a durable structure. The underside is surfaced with a heat-laminated protective fabric, and the topside is surfaced with a heat-laminated filter fabric.

- Combines drainage, protection and filtration in one product
- Easily conforms to irregular shapes and corners
- Lightweight and easy to handle
- Provides a thin profile for tight construction assemblies

APPLICATION:

Unroll **SOPRADRAIN ECOVENT 2** onto the designated surface with the filter fabric facing up. Overlap joints a minimum of 6 in at the lap.

Refer to SOPREMA's published technical literature for additional details and application requirements.

STORAGE:

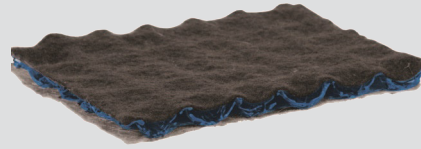
Store rolls in an upright position to prevent damage, do not double stack pallets. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Ballast down during installation to prevent loss of product.

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

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TECHNICAL INFORMATION & TESTING:

DRAINAGE CORE		
PROPERTY	VALUE	ASTM
Material	Polypropylene	-
Thickness, in (mm)	0.50 (12.7)	D1777
Core weight, oz/yd² (g/m²)	16.0 (543.0)	-
Compressive strength, psf (kPa)	> 30,000 (1,436)	D1621

FILTER FABRIC			
PROPERTY	VALUE		ASTM
Material	Polypropylene	Pa6 & PET	-
Fabric weight, oz/yd² (g/m²)	4.0 (135.6)	3.54 (120.0)	D5261
Grab strength, lb	120	125	D4632
Grab elongation, %	50	40	D4632
Trapezoidal tear, lb	50	40	D6241
Puncture resistance, lb	70	35	D4833
AOS, max average	70 US Sieve	45 US Sieve	D4751
Flow rate, gal/min/ft² (l/min/m²)	120.0 (454.2)	185 (700.3.0)	D4491
Permittivity	1.8 sec -1	2.5 sec -1	D4491

DIMENSION & MASS	
PROPERTY	VALUE
Length, ft (m)	100 (30.5)
Width, in (m)	48 (1.2)
Coverage, ft² (m²)	400 (37.2)
Roll weight, lb (kg)	64.2 (29.1)
Rolls per pallet	8
Pallet weight, lb (kg)	554.6 (251.6)
Thickness, in (mm)	0.50 (12.7)

Data is represented by average values, unless noted otherwise.

FLOW RATES*			
PRESSURE	1.0 GRADIENT	0.5 GRADIENT	0.2 GRADIENT
250 PSF, gal/min/ft	20.2	13.6	7.7
500 PSF, gal/min/ft	18.1	12.4	7.3
1,000 PSF, gal/min/ft	17.9	12.2	7.2
2,000 PSF, gal/min/ft	16.8	11.2	7.0
3,000 PSF, gal/min/ft	12.9	7.9	4.9
3,600 PSF, gal/min/ft	8.6	4.7	2.8
5,000 PSF, gal/min/ft	3.8	2.5	1.3
8,000 PSF, gal/min/ft	1.7	1.0	0.5

* Typical flow vs. pressure for vertical applications (ASTM D4716) Sample configuration: Plate/SOPRADRAIN ECO-2/Plate (Values are average of machine direction and cross machine direction test results.)

