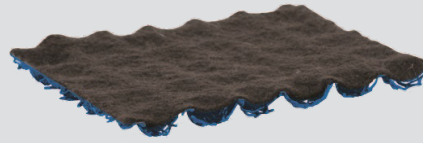


SOPRADRAIN™ ECOVENT

Patterned Core Drainage Mat



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10105 - REV 230322

PRODUCT NUMBERS:

- W706 - 100 ft x 48 in (30.5 x 1.2 m) - Mat

DESCRIPTION & FEATURES:

SOPRADRAIN ECOVENT 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** 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.

- 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** 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.

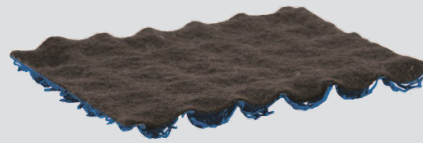
WARRANTY:

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 | - |
| Fabric weight, oz/yd² (g/m²) | 4.0 (135.6) | D5261 |
| Grab strength, lb | 120 | D4632 |
| Grab elongation, % | 50 | D4632 |
| Trapezoidal tear, lb | 50 | D6241 |
| Puncture resistance, lb | 70 | D4833 |
| AOS, max average | 70 US Sieve | D4751 |
| Flow rate, gal/min/ft² (l/min/m²) | 120.0 (454.2) | D4491 |
| Permittivity | 1.8 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) | 57 (25.9) |
| Rolls per pallet | 8 |
| 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 | 22.5 | 15.5 | 9.2 |
| 500 PSF, gal/min/ft | 22.0 | 15.2 | 8.7 |
| 1,000 PSF, gal/min/ft | 20.7 | 14.3 | 8.4 |
| 2,000 PSF, gal/min/ft | 19.0 | 13.1 | 8.3 |
| 3,000 PSF, gal/min/ft | 16.0 | 11.0 | 6.4 |
| 3,600 PSF, gal/min/ft | 13.0 | 8.7 | 5.4 |
| 5,000 PSF, gal/min/ft | 8.05 | 5.4 | 3.1 |
| 8,000 PSF, gal/min/ft | 3.2 | 2.0 | 1.1 |

* 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.)

