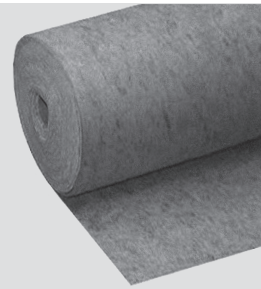


SOPRANATURE® MOISTURE RETENTION MAT

Moisture Retention Mat for Vegetated Roofs



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10147 - REV 230321

PRODUCT NUMBERS:

- W804 - 6 x 66.7 ft (1.8 x 20.5 m) - Roll
- W929 - 6 x 50.7 ft (1.8 x 15.3 m) - Roll

DESCRIPTION & FEATURES:

SOPRANATURE MOISTURE RETENTION MAT is a dual geotextile fabric consisting of a spun-bond continuous filament polyester needle bonded to polyester fleece, designed to provide water and nutrient storage for green roofing applications without restricting root growth or water drainage. Excellent retention and capillarity properties provide enhanced storm water runoff mitigation.

SOPRANATURE MOISTURE RETENTION MAT is available in two sizes: 16 and 28 oz mat.

APPLICATION:

Unroll **SOPRANATURE MOISTURE RETENTION MAT** and overlap adjacent sheets approximately six inches. Cut product as needed and spray with water to prevent uplift. Apply media directly over the **SOPRANATURE MOISTURE RETENTION MAT**.

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.

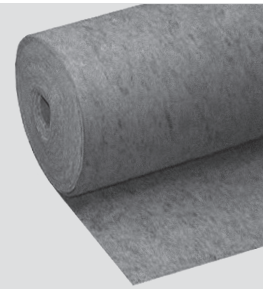
WARRANTY:

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



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TECHNICAL INFORMATION & TESTING:

DIMENSION & MASS		
PROPERTY	16 OZ	28 OZ
Material	Polyester	Polyester
Length, ft (m)	66.7 (20.5)	50 (15.3)
Width, ft (m)	6 (1.8)	6 (1.8)
Thickness, in (mm)	0.125 (3.5)	0.1875 (5)
Coverage, ft² (m²)	400 (37)	300 (28)
Coverage per pallet, ft² (m²)	8,000 (740)	7,200 (672)
Weight, lb (kg)	45 (20)	60 (27)
Rolls per pallet	20	24

PHYSICAL PROPERTIES			
PROPERTY	16 OZ	28 OZ	ASTM
Dry weight (typical), oz/yd² (g/m²)	16 (540)	28 (950)	D5261
Water retention (marv), gal/ft² (l/m²)	0.08 (3.0)	0.1 (4.2)	E2398
Saturated density (marv), lb/ft³ (kg/m³)	0.7 (3.5)	1.1 (5.2)	E2398
Capillary rise (typical after 24 hours), in (m)	2.5 (65)	6.5 (165)	Conductivity Probe
Static puncture CBR (marv), lb (N)	590 (2,600)	1,120 (5,000)	D6241
Pin puncture (marv), lb (N)	160 (700)	280 (1,250)	D4833
Elongation (marv), %	50	50	D4632
Grab tensile (marv), lb (N)	170 (750)	560 (2,500)	D4632
Trapezoidal tear (marv), lb (N)	70 (300)	200 (900)	D4533

Data is represented by average values, unless noted otherwise.