

# SOPRANATURE™

## MOISTURE RETENTION MAT

SOPRANATURE™ MOISTURE  
RETENTION MAT  
PRODUCT #  
28 oz W929  
16 oz W804

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

SOPRANATURE Moisture Retention Mat is designed to protect the underlying waterproofing and root barrier in vegetated roofing applications. The SOPRANATURE Moisture Retention Mat is a thick geotextile mat composed of mechanically consolidated, needle punched polyester fibers that provide puncture resistance, water storage and capillarity.

### STORAGE & HANDLING

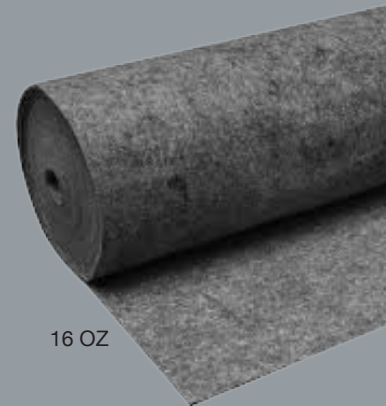
Store rolls in a dry location or under a waterproof tarp.

### 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 drainage media directly over the SOPRANATURE Moisture Retention Mat.



28 OZ



16 OZ

QUICK FACTS 28 OZ MAT	ROLL DIMENSIONS (ft)	ROLL AREA (ft <sup>2</sup> )	ROLL WEIGHT (lb)	THICKNESS (in)
	6 x 50 (1.8 m x 15.3 m)	300 (28 m <sup>2</sup> )	60 (27 kg)	0.1875 (5 mm)

QUICK FACTS 16 OZ MAT	ROLL DIMENSIONS (ft)	ROLL AREA (ft <sup>2</sup> )	ROLL WEIGHT (lb)	THICKNESS (in)
	6 x 66.7 (1.8 m x 20.4 m)	400 (37 m <sup>2</sup> )	45 (20 kg)	0.125 (3.5 mm)



**SOPREMA®**

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TECHNICAL INFORMATION & TESTING

PHYSICAL PROPERTIES			
PROPERTY	28 OZ	16 OZ	TEST METHOD
Dry Weight (typical), oz/yd <sup>2</sup> (g/m <sup>2</sup> )	28 (950)	16 (540)	ASTM D5261
Thickness (typical), in (mm)	3/16 (5)	1/8 (3.5)	ASTM D5729
Water Retention (marv), gal/ft <sup>2</sup> (l/m <sup>2</sup> )	0.1 (4.2)	0.08 (3.0)	ASTM E2398
Saturated Density (marv), lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	1.1 (5.2)	0.7 (3.5)	ASTM E2398
Capillary Rise (typical after 24 hours), in (m)	6.5 (165)	2.5 (65)	Conductivity Probe
Static Puncture CBR (marv), lb (N)	1120 (5000)	590 (2600)	ASTM D6241
Pin Puncture (marv), lb (N)	280 lb (1250)	160 lb (700)	ASTM D4833
Elongation (marv)	50 %	50 %	ASTM D4632
Grab Tensile (marv), lb (N)	560 (2500)	170 (750)	ASTM D4632
Trapezoidal Tear (marv), lb (N)	200 (900)	70 (300)	ASTM D4533

\* All data is represented by averages, unless noted otherwise.