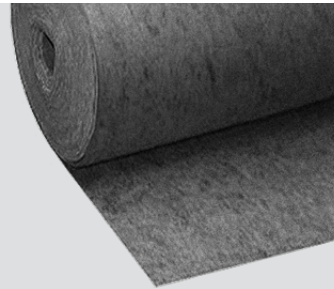


SOPRANATURE[®] MRM 5

Moisture Retention Mat

PRODUCT DATA SHEET PDS220615 - REV 231115



APPLICATIONS

VEGETATED

PRODUCT NUMBERS:

- 22804 - 5.7 x 32.8 ft (1.75 x 10 m) - Roll

DESCRIPTION & FEATURES:

SOPRANATURE MRM 5 is a moisture retention mat made from recycled polyester, designed to provide water and nutrient storage for green roof applications without restricting root growth or water drainage. **SOPRANATURE MRM 5** is used in flat or sloped green roofing systems to retain a certain amount of water and channel excess to the water outlets.

- Fast and easy to install
- Retains water and nutrients for green roof applications
- Acts as a filter fabric, preventing small media particles from entering the drainage layer
- Biologically and chemically neutral

APPLICATION:

Unroll **SOPRANATURE MRM 5** directly onto the surface without overlapping the joints. Adjacent sheets should fit tight to avoid gaps. Excess can be trimmed down once the soil has been installed. As **SOPRANATURE MRM 5** is installed, temporary ballasting may be required prior to the installation of subsequent materials.

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

STORAGE:

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.

SUSTAINABILITY



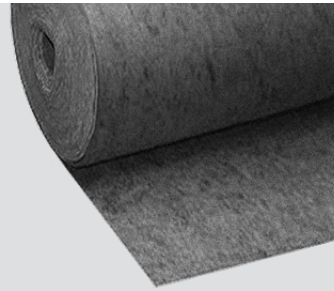
RECYCLED CONTENT
POST-CONSUMER

15 %

SOPRANATURE[®] MRM 5

Moisture Retention Mat

PRODUCT DATA SHEET PDS220615 - REV 231115



APPLICATIONS

VEGETATED

TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	VALUE
Material	Recycled polyester
Color	Gray

DIMENSIONS & MASS	
PROPERTY	VALUE
Length , ft (m)	32.8 (10)
Width , in (m)	5.74 (1.75)
Mass per unit , oz/yd ² (g/m ²)	28 (950)
Thickness , mil (mm)	200 (5.0)

PHYSICAL PROPERTIES		
PROPERTY	VALUE	ASTM TEST METHOD
Tensile strength , lbf (N)	450 (2,000)	D4632
Elongation at break , min %	50	D4632
Tear strength , lbf (N)	202 (900)	D4533
Puncture resistance , lbf (N)	1,124 (5,000)	D6241
Water retention capacity , gal/ft ² (L/m ²)	0.12 (6.2)	SAGEOS GX No. 10
Capillary rise , in (cm)	3% Slope: 30-55 (75 - 140) 10% Slope: 16 - 35 (40 - 90) 15% Slope: 8 - 26 (20 - 65) 20% Slope: 4 - 20 (10 - 50)	SAGEOS GX No. 12

Data is represented by average values, unless noted otherwise.