

SOPRANATURE[®] MRB 30

Moisture Retention/Drainage Board



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS220614 - REV 230516

PRODUCT NUMBERS:

- 27110 - 3.3 x 4 ft (1 x 1.2 m) - Board

DESCRIPTION & FEATURES:

SOPRANATURE MRB 30 is a moisture retention board with drainage properties made from recycled polyester.

SOPRANATURE MRB 30 is used in flat or sloped green roofing systems to retain a certain amount of water and channel excess to the water outlets. It can also be used on any roof or plaza-deck that needs water management or serve as a protection board over the waterproofing membranes.

APPLICATION:

Install **SOPRANATURE MRB 30** boards side by side directly on the surface making sure to leave no gaps between the boards.

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

STORAGE:

Store boards flat on the original pallet and maintain in a horizontal position to prevent damage, creases and wrinkles in the board during 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

90%

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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	VALUE
Material	90% recycled polyester
Color	Dark gray

DIMENSIONS & MASS	
PROPERTY	VALUE
Length, ft (m)	3.3 (1)
Width, in (m)	4.0 (1.2)
Coverage,* ft² (m²)	12.9 (1.2)
Weight, lb (kg)	5.2 (2.4)
Boards per pallet	70
Thickness, in (mm)	1.18 (30)

PHYSICAL PROPERTIES				
PROPERTY	VALUE			ASTM TEST METHOD
Compressive strength 10% deformation, psi (kPa)	0.42 (2.9)			D1621
Dry weight, lb/ft (kg/m²)	0.6 (3.0)			E2397
Fully saturated water retention, lb/ft (kg/m²)	4.4 (21.6)			E2397
Puncture resistance, lbf (N)	49.5 (220)			D4833
Flow rate, Hydraulic gradient of 0.1, gal/min/ft (L/min/m)	20 kPa 0.12 (1.5)	50 kPa 0.08 (1.05)	200 kPa 0.06 (0.7)	D4716
Flow rate, Hydraulic gradient of 1.0, gal/min/ft (L/min/m)	20 kPa 1.01 (12.5)	50 kPa 0.77 (9.5)	200 kPa 0.52 (6.4)	D4716

Data is represented by average values, unless noted otherwise.