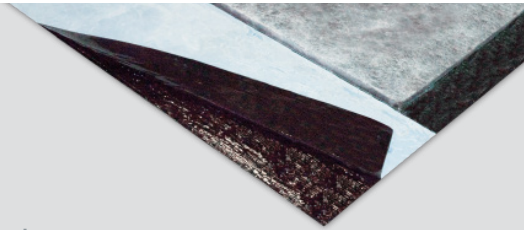


# 2-1 SOPRASMART<sup>®</sup> BOARD

Asphaltic Cover Board with SBS-modified Bitumen Base Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10280 - REV 240423

## PRODUCT NUMBERS:

### 1/4 INCH SOPRASMART

- 09971 - 8 x 3 ft (2.44 x 0.914 m) - Flam
- 09972 - 8 x 3 ft (2.44 x 0.914 m) - Sanded

### 1/8 INCH SOPRASMART

- 09977 - 8 x 3 ft (2.44 x 0.914 m) - Sanded
- 09979 - 8 x 3 ft (2.44 x 0.914 m) - Flam

## DESCRIPTION & FEATURES:

**2-1 SOPRASMART BOARD** is a high performance factory laminated panel combining an SBS-modified bitumen base membrane and SOPRABOARD an asphaltic roof cover board. The **2-1 SOPRASMART BOARD** is designed for use in approved multi-ply roof membrane assemblies.

- Available in 1/4 and 1/8 thicknesses, surfaced with a flam or sanded base sheet to accommodate cap sheet application
- Utilizes a factory-laminated technology to combine SBS base plies with SOPRABOARD cover boards
- With the ability to install a cover board and base ply in one step contractors can realize time and labor savings
- Superior waterproofing thanks to DUO SELVEDGE, that features a partially self-adhered lap (60% of the side lap) leaving only 40% to be heat welded

## APPLICATION:



URETHANE  
ADHESIVE



MECHANICALLY  
FASTENED



HOT  
ASPHALT

Prior to installation, unfold **2-1 SOPRASMART BOARD** onto the roof surface and allow to relax. **2-1 SOPRASMART BOARD** is installed via mechanical fastening, approved adhesive or hot asphalt following manufacturer specifications. When installing via mechanical fastening, **2-1 SOPRASMART BOARD** is fastened through the patented DUO SELVEDGE lap following the details for the uplift pressure required.

Refer to the SOPREMA Low-Slope Roofing Insulation Technical Manual for complete application guidelines.

## STORAGE:

Store boards flat on a pallet to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Extra caution should be taken to ensure the DUO SELVEDGE side laps are not damaged during transportation and application.

## TESTING & APPROVALS:

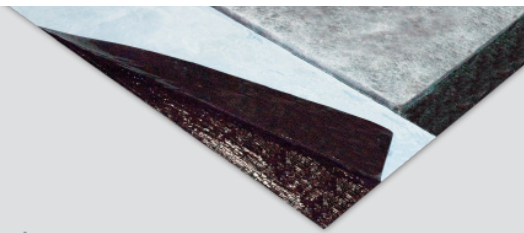


## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.

# 2-1 SOPRASMART<sup>®</sup> BOARD

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## TECHNICAL INFORMATION & TESTING:

TYPICAL PROPERTIES	
PROPERTY	VALUE
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Membrane reinforcement	Non-woven polyester
Top surfacing	Polyolefin film or silica sand
Bottom surfacing	Semi-rigid asphaltic board
Selvage width, in (mm)	3.5 (90)
Selvage thickness, mil (mm)	87 (2.2)

DIMENSIONS & MASS*				
PROPERTY	SANDED		FLAM	
	1/8 inch	1/4 inch	1/8 inch	1/4 inch
Support panel dimensions (asphalt board), ft (m)	3 x 8 (0.914 x 2.44)			
Boards per pallet	65	40	65	40
Membrane thickness, mil (mm)	87 (2.2)			
Board thickness, in (mm)	0.125 (3.2)	0.25 (6.3)	0.125 (3.2)	0.25 (6.3)
Total thickness, in (mm)	0.22 (5.4)	0.375 (9.5)	0.22 (5.4)	0.375 (9.5)

\* Data is represented by average values, unless noted otherwise

MEMBRANE PROPERTIES*			
PROPERTY	MD	XMD	ASTM TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	110 (19.3)	85 (14.9)	D5147
Elongation at peak load @ 0°F (-18°C), %	35	40	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	85 (14.9)	65 (11.4)	D5147
Elongation at peak load @ 73.4°F (23°C), %	55	60	D5147
Ultimate Elongation @ 73.4°F (23°C), %	60	65	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	125 (556)	85 (378)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.5	< 0.5	D5147
Compound stability, °F (°C)	240 (116)	240 (116)	D5147

\* Data is represented by average values, unless noted otherwise

ASPHALTIC BOARD PROPERTIES*			
PROPERTY	1/8 in	1/4 in	ASTM
Compressive Strength,** psi (kPa)	1,610 (11,100)	1,320 (9,100)	C472
Tensile load, MD/XD, lbf (N)	101/101 (450/450)	101/101 (450/450)	E154
Dimensional stability, MD/XD, %	< ± 0.5/0.5	< ± 0.5/0.5	D994
Puncture resistance, lbf (N)	112 (500)	112 (500)	E154
Water absorption, %	< 1.0	< 1.0	D994
Hardness, min 20 lbf (89 N)	Pass	Pass	C1278

\* Data is represented by average values, unless noted otherwise

\*\* Measured at 50% compression.

