

# 2-1 SOPRASMART® BOARD

Asphaltic Cover Board with SBS-modified Bitumen Base Membrane

PRODUCT DATA SHEET PDS10280 - REV 231128



APPLICATIONS

ROOFING

## PRODUCT NUMBERS:

### 1/4 INCH SOPRASMART

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

### 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  
ASPALT

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:



FLORIDA BUILDING CODE

## WARRANTY:

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

# 2-1 SOPRASMART® BOARD

Asphaltic Cover Board with SBS-modified Bitumen Base Membrane

PRODUCT DATA SHEET PDS10280 - REV 231128



APPLICATIONS

ROOFING

## TECHNICAL INFORMATION & TESTING:

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

DIMENSIONS & MASS*				
PROPERTY	SANDED		FLAM	
	1/8 inch	1/4 inch	1/8 inch	1/4 inch
<b>Support panel dimensions (asphalt board), ft (m)</b>	3 x 8 (0.914 x 2.44)			
<b>Boards per pallet</b>	65	40	65	40
<b>Membrane thickness, mil (mm)</b>	87 (2.2)			
<b>Board thickness, in (mm)</b>	0.125 (3.2)	0.25 (6.3)	0.125 (3.2)	0.25 (6.3)
<b>Total thickness, in (mm)</b>	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
<b>Peak load @ 0°F (-18°C), lbf/in (kN/m)</b>	110 (19.3)	85 (14.9)	D5147
<b>Elongation at peak load @ 0°F (-18°C), %</b>	35	40	D5147
<b>Peak load @ 73.4°F (23°C), lbf/in (kN/m)</b>	85 (14.9)	65 (11.4)	D5147
<b>Elongation at peak load @ 73.4°F (23°C), %</b>	55	60	D5147
<b>Ultimate Elongation @ 73.4°F (23°C), %</b>	60	65	D5147
<b>Tear strength @ 73.4°F (23°C), lbf (N)</b>	125 (556)	85 (378)	D5147
<b>Low temperature flexibility, °F (°C)</b>	-15 (-26)	-15 (-26)	D5147
<b>Dimensional stability, %</b>	< 0.5	< 0.5	D5147
<b>Compound stability, °F (°C)</b>	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
<b>Compressive Strength,** psi (kPa)</b>	1,610 (11,100)	1,320 (9,100)	C472
<b>Tensile load, MD/XD, lbf (N)</b>	101/101 (450/450)	101/101 (450/450)	E154
<b>Dimensional stability, MD/XD, %</b>	< ± 0.5/0.5	< ± 0.5/0.5	D994
<b>Puncture resistance, lbf (N)</b>	112 (500)	112 (500)	E154
<b>Water absorption, %</b>	< 1.0	< 1.0	D994
<b>Hardness, min 20 lbf (89 N)</b>	Pass	Pass	C1278

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

\*\* Measured at 50% compression.