

2-1 SOPRASMART® BOARD

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BOARD
PRODUCT #
09972 - Sanded 1/4"
09971 - Flam 1/4"
09977 - Sanded 1/8"
09979 - Flam 1/8"

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

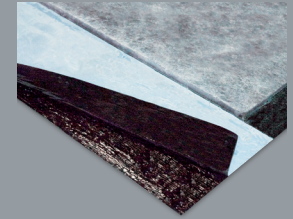
2-1 SOPRASMART BOARD is a high performance panel of an SBS-modified bitumen base membrane and SOPRABOARD asphaltic coverboard for use in approved multi-ply membrane assemblies. To create 2-1 SOPRASMART BOARD, a semi rigid, asphaltic roofing substrate board is factory laminated to an SBS modified bitumen base ply reinforced with a tough, dimensionally stable non-woven polyester mat for creating a time and labor-saving solution. The topside is surfaced with polyolefin burn-off film to optimize heat welding applications or silica sand to aid with cold adhesive application.

STORAGE

Store board flat and maintain in a horizontal position to prevent damage. Store board in a clean, dry location and cover as necessary to protect boards from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of 2-1 SOPRASMART BOARD.

APPLICATION

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. Subsequent approved inter-ply or cap ply membranes are applied to 2-1 SOPRASMART BOARD via heat welding. Refer to SOPREMA SBS Roofing Guide for additional application guidelines.



APPLICATION



MECHANICALLY
FASTENED



DUOTACK® 365



HOT ASPHALT

QUICK FACTS

LENGTH (ft)	WIDTH (in)	MEMBRANE THICKNESS (mils)	ASPHALTIC BOARD THICKNESS (in)	1/8" or 1/4" BOARD WEIGHT (lb)	1/8" or 1/4" BOARDS/ PALLET (pallet weight)
8 (2.4 m)	39 (1.0 m)	87.0 (2.2 mm)	1/8 or 1/4 (3.2 or 6.4 mm)	37 or 60 (16.7 or 27.2 kg)	65 or 40 (2,455 lb/ 1,113.6 kg) (2450 lb/1,111.3 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.



SOPREMA®

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TECHNICAL INFORMATION & TESTING

BOARD PROPERTIES

Reinforcement	Non-woven polyester
Top surfacing	Polyolefin film or Silica Sand
Back surfacing	Semi-rigid asphaltic board
Selvage width, in (mm)	3 (75)
Total thickness, in (mm)	0.2 (5.1) or 0.3 (7.6)

MEMBRANE PROPERTIES

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

ASPHALTIC BOARD PROPERTIES

PROPERTY	TEST METHOD
Board thickness, in (mm)	1/8 (3.2) or 1/4 (6.4) ASTM D5147
Puncture resistance, lbf (N)	90 (400) or 95 (42.3) ASTM E154
Water absorption, %	<1.0 ASTM D994

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

TESTING & APPROVALS

