

SOPRASMART®

BOARD 180

SOPRASMART®
BOARD 180
PRODUCT # D09979
D09980

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

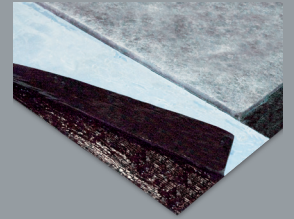
SOPRASMART BOARD 180 is a high performance panel of an SBS-modified bitumen base membrane and SOPRABOARD asphaltic coverboard for use in approved multi-ply membrane assemblies. To create SOPRASMART BOARD 180, a semi rigid, asphaltic roofing substrate board is factory laminated to an SBS modified bitumen 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.

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 SOPRASMART BOARD 180.

APPLICATION

Prior to installation, unfold SOPRASMART BOARD 180 onto the roof surface and allow to relax. SOPRASMART BOARD 180 is installed via mechanical fastening, approved adhesive or hot asphalt following manufacturer specifications. When installing via mechanical fastening, SOPRASMART BOARD 180 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 SOPRASMART BOARD 180 via heat welding. Refer to SOPREMA SBS Roofing Manual for additional application guidelines.



APPLICATION



MECHANICALLY
FASTENED



DUOTACK®



HOT ASPHALT

QUICK FACTS

LENGTH (ft)	WIDTH (in)	MEMBRANE THICKNESS (mils)	ASPHALTIC BOARD THICKNESS (in)	1/8" or 3/16" BOARD WEIGHT (lb)	1/8" or 3/16" BOARDS/ PALLET (pallet weight)
8 (2.44 m)	39 (0.90 m)	87.0 (2.2 mm)	1/8 or 3/16 (3.2 or 4.8 mm)	37 or 51 (16.7 or 23.1 kg)	65 or 45 (2405 lb/1090 kg) or (2295 lb/1040 kg)

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



SOPREMA®

www.soprema.us
310 Quadral Drive, Wadsworth, Ohio 44281
Toll Free: (800) 356-3521 | Tel: (330) 334-0066

TECHNICAL INFORMATION & TESTING

BOARD PROPERTIES

Reinforcement	Non-woven polyester
Top surfacing	Polyolefin film
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 3/16 (4.8) ASTM D5147
Puncture resistance (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

