

SOPRASMART BOARD 180

TECHNICAL DATA SHEET
140402SCAN2E
(supersedes -140219SCAN1E)

DESCRIPTION

SOPRASMART BOARD 180 is a high performance high density support panel composed of SBS modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on asphaltic board (**SOPRABOARD**). The surface is covered with a thermofusible plastic film.

INSTALLATION

BITUMEN

SOPRASMART BOARD 180 panel is intalled in a bed of hot bitumen applied with a mop.

ADHESIVE

SOPRASMART BOARD 180 panel is adhered with adhesive **COLTACK** or **DUOTACK**.

MECHANICALLY FASTENED

SOPRASMART BOARD 180 panel is mechanically fastened to steel deck with **SOPRAFX** screws and plates.

- Mechanical fasteners must be installed on the distinctive line of the membrane side selvedge.
- On a steel deck, fasteners must be installed on the upper part of the steel ribs. Install membranes perpendicular to the ribs.

For more details about the required number of adhesive or mechanical fasteners, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21-10 or publications according to FM 4470 (RoofNav Database) including recommendations for corners and perimeters listed in the PLPDS 1-29 from Factory Mutual.

DUO SELVEDGE

Over the entire width of **DUO SELVEDGE**, 60 % of the surface is self-adhesive, which protects components under the base sheet. The remaining surface of the selvedge (40 %) is covered by a thermofusible plastic film to seal overlap by heat-welding with a propane torch or with the **SOPRAMATIC** automatic hot-air welder.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

Specifications	SOPRASMART BOARD 180	
Total Thickness (Membrane & Board)	5.4 mm (7/32 in)	7 mm (9/32 in)
Membrane Reinforcement	Non-woven polyester	
Board Dimensions	0.914 m x 2.44 m (3 ft x 8 ft)	
Total Weight	7.0 kg/m ² (1.5 lb/ft ²)	9.0 kg/m ² (2.00 lb/ft ²)
Selvedge width	75 mm (3 in)	
Surface	Thermofusible plastic film	
Underface	Semi-rigid asphaltic board	
Units per pallet	65	45

(All values are nominal)



SYSTÈME QUALITÉ
ISO 9001
QUALITY SYSTEM



SYSTÈME ENVIRONNEMENT
ISO 14001
ENVIRONMENT SYSTEM

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PROPERTIES

Properties	Standards	Membrane
Membrane Thickness	-	2.2 mm (86.6 mil)
Breaking Strength, MD/XD	CAN/CGSB-37.56-M, 9 th draft	17.0 / 12.5 kN/m
Ultimate Elongation, MD/XD	CAN/CGSB-37.56-M, 9 th draft	60 / 65 %
Tear Strength	ASTM D5601	60 N
Cold Bending - Initial - 90 days at 70 °C	CAN/CGSB-37.56-M, 9 th draft	-30 °C -30 °C

(All values are nominal)

Properties	Standards	Asphaltic Board	
Board Thickness	-	3.2 mm (1/8 in)	4.8 mm (3/16 in)
Puncture Resistance	ASTM E154	500 N	
Water Absorption	ASTM D994	0.25 %	

(All values are nominal)



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