

SOPRAFIX BASE 640

TECHNICAL DATA SHEET
150108SCAN2E
(supersedes -130322SCAN3E)

DESCRIPTION

SOPRAFIX BASE 640 is a high performance base sheet membrane composed of SBS modified bitumen and a composite reinforcement. Both sides are sanded.

SOPRAFIX BASE 640 is provided with **DUO SELVEDGE** technology (50 % self-adhesive/50 % thermofusible) which allows the immediate sealing of the membrane along side laps.

INSTALLATION

MECHANICALLY FASTENED

SOPRAFIX BASE 640 is installed directly to the insulating panels with **SOPRAFIX** screws and plates.

- Mechanical fasteners must be installed in the centre of the membrane side selvedge on marks at every 150 mm (6 in)* along the overlap.
- On a steel deck, fasteners must be installed on the upper part of the ribs. Install membranes perpendicular to the ribs.
- It is not required to fasten insulation boards to achieve wind uplift resistance when base sheet membranes are mechanically fastened. However, in order to prevent any warping of insulation boards, they can be fastened at a rate of one fastener per 1.2 m² (4 ft²).

*For more details about the required number of mechanical fasteners, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21-14 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

The first 50% of **DUO SELVEDGE** is self-adhesive. The remaining 50% is sealed using an electric hot-air welder. The use of SOPRAMATIC automatic hot-air welder increase the speed and quality of the seal.

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

PACKAGING

Specifications	SOPRAFIX BASE 640
Thickness	2.5 mm (98 mil)
Reinforcement	Composite
Dimensions	1 m x 10 m (3.3 ft x 33 ft) 1 m x 15 m (3.3 ft x 49 ft)
Weight	3.1 kg/m ² (0.6 lb/ft ²)
Selvedge width	100 mm (4 in)
Surface	Sanded
Underface	Sanded
Roll per skids	Rolls of 10 m (33 ft): 36 Rolls of 15 m (49 ft): 25



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PROPERTIES

SOPRAFIX BASE 640 as per ASTM D5147.

Properties	MD	XMD
Peak Load at -18 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	22 kN/m 22 kN/m	19 kN/m 19 kN/m
Elongation at -18 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	30 % 30 %	30 % 30 %
Peak Load at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	16 kN/m 16 kN/m	14 kN/m 14 kN/m
Elongation at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	60 % 35 %	60 % 35 %
Ultimate elongation at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	65 % 45 %	65 % 45 %
Tear Strength at à 23 °C ± 2 °C	500 N	450 N
Low Temperature Flex - Initial - 90 days at 70 °C (158 °F)	-18 °C (0 °F) -18 °C (0 °F)	-18 °C (0 °F) -18 °C (0 °F)
Dimensional Stability, max	0.5 %	0.5 %
Compound Stability Temp	>107 °C (225 °F)	

Meets and exceeds the requirements of CAN/CGSB-37.56-M, 9th draft.
(All values are nominal)

STORAGE & HANDLING

Rolls must be stored upright, with the selvedge side on top. If the products are stored outside, cover them with an opaque protection cover after the packaging provided for delivery has been removed.

