SOPRAFIX
BASE 635

TECHNICAL DATA SHEET 240214SCANE (supersedes 230927SCANE)

WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAFIX BASE 635 is a base sheet membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is covered with a thermofusible plastic film and the underface is sanded.

SOPRAFIX BASE 635 is provided with DUO SELVEDGE technology which allows the immediate sealing of the membrane along side laps.

INSTALLATION

MECHANICALLY FASTENED

SOPRAFIX BASE 635 is mechanically fastened to the steel deck with SOPREMA screws and plates.

- Mechanical fasteners must be installed in the centre of the membrane side selvedge on marks at every 150 mm (6 in)(1) along the overlap.
- On a steel deck, fasteners must be installed on the upper part of the ribs. Install membranes perpendicular to the ribs.
- Preliminary mechanical fasteners need to be installed on insulation boards at a rate of 4 fasteners per 1.2 x 1.2 m (4 X 4 ft) boards and 6 fasteners per 1.2 x 2.4 m (4 X 8 ft) boards. More fasteners may be needed depending on the wind uplift testing results(1).

Weld the last 25 mm (1 in) of the side lap using a propane torch.

Cover the end laps with SOPRALAP membrane centred on the joint.

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

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

GENERAL INFORMATION

Specifications	SOPRAFIX BASE 635
Reinforcement	Non-woven polyester
Dimensions	10 x 1 m (33 x 3.3 ft) 15 x 1 m (49.2 x 3.3 ft)
Selvedge width	100 mm (4 in)
Surface	Thermofusible plastic film
Underface	Sanded

(All values are nominal)

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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PROPERTIES

Properties	SOPRAFIX BASE 635		CSA A123.23 Type B, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	2.5 mm (98 mils)		2.2 mm (85 mils)
Selvedge thickness, min.	2.25 mm (89 mils)		2.2 mm (85 mils)
Mass per unit area, min.	3.0 kg/m^2 (60 lb/100 ft^2)		2.6 kg/m^2 (53 lb/100 ft^2)
Strain energy, min. MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	7.3/6,5 kN/m (42/37 lbf/in) 6.5/4.5 kN/m (37/26 lbf/in)	7.0/5.5 kN/m (40/31 lbf/in) 6.5/4.5 kN/m (37/26 lbf/in)	5.5 kN/m (31 lbf/in) 3.0 kN/m (17 lbf/in)
Peak load, min. MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	17/12.5 kN/m (97/71 lbf/in) 24/15 kN/m (137/86 lbf/in)	19/13 kN/m (108/74 lbf/in) 23/14 kN/m (131/80 lbf/in)	Report value Report value
Elongation at peak load, min. MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)* *at -18 °C ± 2 °C (0 °F ± 3.6 °F)*	55/60% 35/40%	44/57% 37/34%	Report value Report value
Ultimate elongation, MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)*	60/95%	50/55%	Report value
Dimensional stability, max. MD/XD	±0.6/±0.1%		1.0%
Low temperature flexibility, max. MD/XD	-18/-18 °C (-0.4/-0.4 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Compound stability	121/121 °C (250/250 °F)		min. 102 °C (215 °F)
Resistance to puncture	Pass		Pass

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

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SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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