SOPRAFIX
BASE 635

TECHNICAL DATA SHEET 201210SCANE (supersedes 200316SCANE)

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)* 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*.

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.

*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.

PACKAGING

Specifications	SOPRAFIX BASE 635
Thickness	2.5 mm (98 mils)
Reinforcement	Non-woven polyester
Dimensions	10 x 1 m (33 x 3.3 ft) 15 x 1 m (49.2 x 3.3 ft)
Weight	3.0 kg/m^2 (0.6 lb/ft^2)
Selvedge width	100 mm (4 in)
Surface	Thermofusible plastic film
Underface	Sanded

(All values are nominal)

TDS_SOPRAFIX_BASE_635.indd

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®

SOPRAFIX
BASE 635

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PROPERTIES

As per CSA A123.23-15, Type B, Grade 3.

Properties	SOPRAFIX BASE 635	
	BEFORE Heat Conditioning	AFTER Heat Conditioning
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)
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)
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 %
Ultimate elongation at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) MD/XD	60/95 %	50/55 %
Dimensional stability, max MD/XD	±0.6/±0.1 %	
Low temperature flexibility, max MD/XD	-18/-18 °C (0/0 °F)	-18/-18 °C (0/0 °F)
Compound stability at 102 °C (216 °F)	121/121 °C (250/250 °F)	
Resistance to puncture	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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