

# SOPRALENE FLAM 180



WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 200316SCANE

(supersedes 121031SCAN1E)

## DESCRIPTION

SOPRALENE FLAM 180 is a base sheet membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. Both sides are covered with a thermofusible plastic film.

## INSTALLATION

HEAT-WELDED

SOPRALENE FLAM 180 membrane is heat-welded with a propane torch.

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

## PACKAGING

Specifications	SOPRALENE FLAM 180
Thickness	3.0 mm (118 mils)
Reinforcement	Non-woven polyester
Dimensions	10 x 1 m (33 x 3.3 ft)
Weight	3.6 kg/m <sup>2</sup> (0.7 lb/ft <sup>2</sup> )
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Thermofusible plastic film

(All values are nominal)



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## PROPERTIES

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

Properties	SOPRALENE FLAM 180	
	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)	6.5/6.5 kN/m (37/37 lbf/in) 8.0/4.0 kN/m (46/23 lbf/in)	5.5/5.5 kN/m (31/31 lbf/in) 3.1/3.1 kN/m (18/18 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)	15/11 kN/m (86/63 lbf/in) 22/17 kN/m (126/97 lbf/in)	14/10 kN/m (80/57 lbf/in) 19/11 kN/m (108/63 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)	50/60 % 30/30 %	15/50 % 7/21 %
Ultimate elongation, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)	55/70 %	45/45 %
Dimensional stability, max MD/XD	±0.5/±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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