

# SOPRALENE FLAM 180 GR (FR GR)

TECHNICAL DATA SHEET 200316SCANE

(supersedes 121031SCAN1E)



WATERPROOFING

APPLICATIONS

ROOFS

## DESCRIPTION

SOPRALENE FLAM 180 GR is a cap sheet membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is protected by coloured granules and the underface is covered with a thermofusible plastic film.

Fire rated (FR) cap sheet membrane (SOPRALENE FLAM 180 FR GR) is available to increase fire resistance. This membrane meets the requirements of the CAN/ULC-S107 Class A standard.

## INSTALLATION

### HEAT-WELDED

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

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

## PACKAGING

Specifications	SOPRALENE FLAM 180 GR & SOPRALENE FLAM 180 FR GR
Thickness	4,0 mm (157 mils)
Reinforcement	Non-woven polyester
Dimensions	8 x 1 m (26 x 3,3 ft)
Weight	4,9 kg/m <sup>2</sup> (1,0 lb/ft <sup>2</sup> )
Selvedge width	75 mm (3 in)
Surface	Granules
Underface	Thermofusible plastic film

(All values are nominal)



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS\_SOPRALENE\_FLAM\_180\_GR\_(FR\_GR).indd

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## PROPERTIES

As per CSA A123.23-15, Type B, Grade 1.

Properties	SOPRALENE FLAM 180 GR & SOPRALENE FLAM 180 FR GR	
	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)
Low temperature flexibility after UV weathering, max MD/XD	-12/-12 °C (10/10 °F)	
Compound stability at 102 °C (216 °F)	121/121 °C (250/250 °F)	
Resistance to puncture	Pass	
Granule embedment	Pass	

(All values are nominal)

## STORAGE AND HANDLING

Rolls must be stored upright, with the selvage 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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