

Formerly known as SOPRASTAR FLAM HD GR & HD FR GR

SOPRASTAR FLAM GR (FR GR)

TECHNICAL DATA SHEET 210705SCANE

(supersedes 200316SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRASTAR FLAM GR is a high performance cap sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is protected by high reflective white granules and the underface is covered with a thermofusible plastic film.

Fire rated (FR) cap sheet membrane (SOPRASTAR FLAM FR GR) is available to increase fire resistance. This membrane allows the roofing system to meet the requirements of the CAN/ULC-S107 Class A standard.

INSTALLATION

HEAT-WELDED

SOPRASTAR FLAM GR and SOPRASTAR FLAM FR GR membranes are heat-welded with a propane torch.

LEED® SOLUTION

SOPRASTAR FLAM GR and SOPRASTAR FLAM FR GR have a SRI of 90, which meets the requirements of the Sustainable Sites LEED® Credit on Heat Island Reduction.

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

PACKAGING

Specifications	SOPRASTAR FLAM GR & SOPRASTAR FLAM FR GR
Thickness	4,0 mm (157 mils)
Reinforcement	Composite
Dimensions	8 x 1 m (26 x 3,3 ft)
Weight	4,9 kg/m ² (1,0 lb/ft ²)
Selvedge width	100 mm (4 in)
Surface	High reflective white granules
Underface	Thermofusible plastic film

(All values are nominal)



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PROPERTIES

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

Properties	SOPRASTAR FLAM GR & SOPRASTAR FLAM 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)	8/6 kN/m (46/34 lbf/in) 6.0/5.5 kN/m (34/31 lbf/in)	7.5/7.0 kN/m (43/40 lbf/in) 6.5/5.5 kN/m (37/31 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)	21/14 kN/m (120/80 lbf/in) 21/17 kN/m (120/97 lbf/in)	19/15 kN/m (108/86 lbf/in) 21/16 kN/m (120/91 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 % 30/30 %	45/50 % 35/37 %
Ultimate elongation at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) MD/XD	60/70 %	53/61 %
Dimensional stability, max MD/XD	±0.3/±0.1 %	
Low temperature flexibility, max MD/XD	-30/-30 °C (-22/-22 °F)	-18/-18 °C (0/0 °F)
Low temperature flexibility after UV weathering, max MD/XD	Pass	
Compound stability at 91 °C (196 °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 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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