

Formerly known as SOPRASTAR STICK HD GR

# SOPRASTAR STICK GR

TECHNICAL DATA SHEET 210705SCANE

(supersedes 200316SCANE)



WATERPROOFING

APPLICATIONS

ROOFS

## DESCRIPTION

SOPRASTAR STICK 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 self-adhesive underface is covered with a split-back silicone release film.

SOPRASTAR STICK GR is provided with **DUO SELVEDGE** technology which allows the immediate sealing of the membrane along side laps.

## SURFACE PREPARATION

Surfaces must be clean, dry and free of loose particles. The membrane is installed over the substrate previously primed with one of the **ELASTOCOL STICK** primers.

## INSTALLATION

### SELF-ADHESIVE

SOPRASTAR STICK GR is adhered to the substrate by peeling off the silicone release film.

Once the membrane is in place, apply pressure over the whole surface using a membrane roller to ensure a complete and uniform adhesion.

Apply cold adhesive on the first 100 to 125 mm (4 to 5 in) of the end laps and weld the last 25 to 50 mm (1 to 2 in) using a hot air welder.

Finish the application by welding the last 25 mm (1 in) of the side lap using an electric hot-air welder and a membrane roller. The use of **SOPRAMATIC** automatic hot-air welder will greatly increase the speed and quality of the seal.

Minimum application temperature: 0 °C (32 °F).

## LEED® SOLUTION

SOPRASTAR STICK GR has 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 STICK GR
Thickness	4,0 mm (157 mils)
Reinforcement	Composite
Dimensions	8 x 1 m (26 x 3,3 ft)
Weight	4,7 kg/m <sup>2</sup> (0,96 lb/ft <sup>2</sup> )
Selvedge width	100 mm (4 in)
Surface	High reflective white granules
Underface	Self-adhesive, covered with a split-back silicone release film.

(All values are nominal)



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## PROPERTIES

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

Properties	SOPRASTAR STICK 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)	8/6.5 kN/m (46/37 lbf/in) 8/7 kN/m (46/40 lbf/in)	7/6 kN/m (40/34 lbf/in) 6.5/6 kN/m (37/34 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)	17/14 kN/m (97/80 lbf/in) 22/19 kN/m (126/108 lbf/in)	18/15 kN/m (103/86 lbf/in) 22/17 kN/m (126/97 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)	55/55 % 45/45 %	50/50 % 35/35 %
Ultimate elongation at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) MD/XD	65/65 %	55/55 %
Dimensional stability, max MD/XD	±0.2/±0.2 %	
Low temperature flexibility, max MD/XD	-27/-27 °C (-17/-17 °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 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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