

# Technical Data Sheet

## SOPRASTAR STICK GR



### DESCRIPTION

**SOPRASTAR STICK GR** is a high performance cap sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is highly 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 of the end laps and weld the last 25 to 50 mm using a hot air welder.

Finish the application by welding the last 25 mm 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: 7 °C.

### LEED® SOLUTION

**SOPRASTAR STICK GR** has a SRI of 82, which meets the requirements of the Sustainable Sites LEED® Credit on Heat Island Reduction.

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

### PACKAGING

Specifications	SOPRASTAR STICK GR
Thickness	4.0 mm
Reinforcement	Composite
Dimensions	8m X 1m
Weight	4.7Kg/m <sup>2</sup>
Selvedge Width	100mm
Surface	High reflective white granules
Underface	Self-adhesive, covered with a split-back silicone release film

## PROPERTIES

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

Properties	SOPRAPSTAR STICK GR	
	BEFORE Heat Conditioning	AFTER Heat Conditioning
Strain energy, min MD/XD		
At 23 °C ± 2 °C	8/6.5 kN/m	7/6 kN/m
At -18 °C ± 2 °C	8/7 kN/m	6.5/6 kN/m
Peak load, min MD/XD		
At 23 °C ± 2 °C	17/14 kN/m	18/15 kN/m
At -18 °C ± 2 °C	22/19 kN/m	22/17kN/m
Elongation at peak load, min MD/XD		
At 23 °C ± 2 °C	55/55 %	50/50%
At -18 °C ± 2 °C	45/45 %	35/35 %
Ultimate elongation at 23 °C ± 2 °C MD/XD	65/65 %	55/55 %
Dimensional stability, max MD/XD	±0.2/±0.2 %	
Low temperature flexibility, max MD/XD	-27/-27 °C	-18/-18 °C
Low temperature flexibility after UV weathering, max MD/XD	-12/-12 °C	
Compound stability at 102 °C	121/121 °C	
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.

December 2020 New



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