SOPRASTAR
STICK GR

WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 240214SCANE (supersedes 230919SCANE)

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 an 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.

GENERAL INFORMATION

Specifications	SOPRASTAR STICK GR
Reinforcement	Composite
Dimensions	8 x 1 m (26 x 3,3 ft)
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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SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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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.

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PROPERTIES

Properties	SOPRASTAR STICK GR		CSA A123.23 Type C, Grade 1 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	4.0 mm (157 mils)		2.8 mm (110 mils)
Selvedge thickness, min.	3.15 mm (124 mils)		1.8 mm (70 mils)
Mass per unit area, min.	4.4 kg/m² (89 lb/100 ft²)		2.9 kg/m² (60 lb/100 pi²)
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)	5.5 kN/m (31 lbf/po) 3.0 kN/m (17 lbf/po)
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)	Report value Report value
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%	Report value Report value
Ultimate elongation, MD/XD, *at 23 °C ± 2 °C (73.4 °F ± 3.6 °F)*	65/65%	55/55%	Report value
Dimensional stability, max. MD/XD	±0.2/±0.2%		0.5%
Low temperature flexibility, max. MD/XD	-27/-27 °C (-17/-17 °F)	-18/-18 °C (-0.4/-0.4 °F)	-18 °C (-0.4 °F)
Low temperature flexibility after UV weathering, max. MD/XD	-12/-12 °C (10/10 °F)		-12 °C (10 °F)
Compound stability	91/91 °C (195/195 °F)		min. 91 °C (195 °F)
Resistance to puncture	Pass		Pass
Granule embedment	< 2.0 g (0.07 oz)		max. 2.0 g (0.07 oz)

(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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