SOPRAPLY
FLAM STICK

WATERPROOFING

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 240212SCANE (supersedes 230927SCANE)

DESCRIPTION
SOPRAPLY FLAM STICK is a high performance base sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is covered with a thermofusible plastic film and the self-adhesive underface is covered with a silicone release film.

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

SOPRAPLY FLAM STICK is adhered to the substrate by peeling off the release 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.

When completing the end lap, burn the plastic film over the last 150 mm (6 in) of the membrane before installing the next membrane.

Minimum application temperature summer grade: 10 °C (50 °F)
Minimum application temperature winter grade: -10 °C (14 °F)

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

GENERAL INFORMATION

Specifications	SOPRAPLY FLAM STICK
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Selvedge width	75 mm (3 in)
Surface	Thermofusible plastic film
Underface	Self-adhesive, covered with a silicone release film

(All values are nominal)

SOPREMA®

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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PROPERTIES

Properties	SOPRAPLY FLAM STICK		CSA A123.23 Type C, Grade 3 Requirements
	BEFORE Heat Conditioning	AFTER Heat Conditioning	
Thickness, min.	3.0 mm (118 mils)		1.8 mm (70 mils)
Selvedge thickness, min.	3.0 mm (118 mils)		1.8 mm (70 mils)
Mass per unit area, min.	3.5 kg/m^2 (70 lb/100 ft^2)		2.2 kg/m^2 (45 lb/100 ft^2)
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/in) 3.0 kN/m (17 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)	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)
Compound stability	91/91 °C (195/195 °F)		min. 91 °C (195 °F)
Resistance to puncture	Pass		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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