SOPRAPLY
STICK DUO

TECHNICAL DATA SHEET 240212SCANE (supersedes 230322SCANE)

WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAPLY STICK DUO is a base sheet membrane composed of SBS modified bitumen reinforced with a composite reinforcement. The surface is sanded and the self-adhesive underface is covered with a silicone release film.

SOPRAPLY STICK DUO 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

SOPRAPLY STICK DUO 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.

When completing the end lap, apply ELASTOCOL STICK primer over the last 150 mm (6 in) of the membrane before installing the next membrane.

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)

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

GENERAL INFORMATION

Specifications	SOPRAPLY STICK DUO
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Selvedge width	100 mm (4 in)
Surface	Sanded
Underface	Self-adhesive, covered with a silicone release film

(All values are nominal)

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PROPERTIES

Properties	SOPRAPLY STICK DUO		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.	2.75 mm (108 mils)		1.8 mm (70 mils)
Mass per unit area, min.	3.3 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
Water vapour transmission, *as per ASTM E96 (Procedure B)*	< 2.5 ng/Pa•s•m^2 (< 0.04 perm)		N/A

(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.