Formerly known as SOPRALENE STICK HR 20

SOPRAPLY STICK

TECHNICAL DATA SHEET 210310SCANE (supersedes -)

WATERPROOFING

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAPLY STICK 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.

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 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 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.

Application temperatures: 0°C (32°F).

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

PACKAGING

Specifications	SOPRAPLY STICK
Thickness	3.0 mm (118 mils)
Reinforcement	Composite
Dimensions	10 x 1 m (33 x 3.3 ft)
Weight	3.3 kg/m^2 (0.7 lb/ft^2)
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	Standards	SOPRAPLY STICK	
		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)	CSA A123.23-15, Type C, Grade 3	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, MD/XD At 23 °C ± 2 °C (73.4 °F ± 3.6 °F)		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)
Compound stability at 91 °C (196 °F)		121/121 °C (250/250 °F)	
Resistance to puncture		Pass	
Water vapour transmission	ASTM E96 (Procedure B)	< 2.5 ng/Pa•s•m² (< 0.04 perm)	

(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.