



WATERPROOFING

APPLICATIONS

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# SOPRALENE STICK HR GR

TECHNICAL DATA SHEET APTDS-E-18-01

## DESCRIPTION

**SOPRALENE STICK HR GR** is a high performance cap sheet membrane composed of SBS modified bitumen and a composite reinforcement. The surface is protected by coloured granules. The underface is covered with a release protection film.

**SOPRALENE STICK HR GR** is provided with **DUO SELVEDGE** technology (50 % self-adhesive/50 % thermofusible) which allows the immediate sealing of the membrane along side laps.

## INSTALLATION

### SELF-ADHESIVE

**SOPRALENE STICK HR GR** membrane is adhered to support by peeling off the release protection film.

Minimum application temperature: 10 °C (50 °F).

Available in LT (low temperature) for temperature above 0 °C (32 °F).

In the case of cap sheet membrane with **DUO SELVEDGE** technology, it is not required to prime the selvedge.

Apply **COLPLY TROWEL GRADE** adhesive for the first 125 mm (5 in) of the end laps with a steel trowel with 5 mm (3/16 in) notches.

Complete the installation by welding the last 25 mm (1 in) of the overlap to the existing surface, using an electric hot-air torch and a membrane roller.

Welding must also be done on all side laps. The use of **SOPRAMATIC** automatic hot-air welder will increase the speed and quality of the seal.

Once installed, a pressure must be applied over the whole surface using a membrane roller to ensure good contact.

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

## PACKAGING

Specifications	SOPRALENE STICK HR GR
Thickness	3.8 mm
Reinforcement	Composite
Dimensions	1 m x 10 m
Weight	4.8 kg/m <sup>2</sup>
Selvedge width	100 mm
Surface	Granules
Underface	Self-adhesive, covered with a release protection film
Rolls per skid	25

(All values are nominal)





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## PROPERTIES

SOPRALENE STICK HR GR as per ASTM D6162, Type II.

Properties	SOPRALENE STICK HR GR	
	MD	XMD
Peak Load at -18 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	25 kN/m 26 kN/m	22 kN/m 22 kN/m
Elongation at -18 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	43 % 33 %	45 % 32 %
Peak Load at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	20 kN/m 20 kN/m	16 kN/m 17 kN/m
Elongation at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	58 % 47 %	60 % 53 %
Ultimate elongation at 23 °C ± 2 °C - Initial - 90 days at 70 °C (158 °F)	82 % 51 %	80 % 57 %
Tear Strength at à 23 °C ± 2 °C	690 N	600 N
Low Temperature Flex - Initial - 90 days at 70 °C (158 °F)	-20 °C (-4 °F) -18 °C (0 °F)	-20 °C (-4 °F) -20 °C (-4 °F)
Dimensional Stability, max	0.2 %	0.1 %
Compound Stability	125 °C	
Granules embedment, max	< 2.0 g	

(All values are nominal)

## STORAGE & HANDLING

Rolls must be stored upright, with the selvedge side on top. If the products are stored outside, cover them with an opaque protection cover after the packaging provided for delivery has been removed.

