SOPRASEAL
STICK AVB AT

TECHNICAL DATA SHEET 260227SCANE (supersedes 260126SCANE)

WATERPROOFING

APPLICATIONS

WALLS

DESCRIPTION

SOPRASEAL STICK AVB AT is a self-adhesive membrane composed of an acrylic-based self-adhesive mass and a tri-laminated woven polyethylene facer. The tri-laminated woven polyethylene is compatible for the use of sprayed polyurethane foam insulation. The underface is covered with a silicone release paper.

SOPRASEAL STICK AVB AT is an air/vapour barrier. It is also used as a through wall flashing membrane as well as a waterproofing membrane at openings and transitions. SOPRASEAL STICK AVB AT can also be used in conjunction with SOPRASEAL STICK 1100 T as a wall flashing membrane.

RECOMMENDED SUBSTRATES

This product can be used on most construction substrates, such as metal, wood, gypsum and concrete.

SURFACE PREPARATION

The substrate should be clean, sound, dry(1) and free of loose materials, grease and any contaminants, which may compromise the performance of the product. SOPRASEAL STICK AVB AT is installed on most substrates **without primer**. However, in a case where specific job site conditions may otherwise require surface preparation, SOPRASEAL STICK PRIMER or ELASTOCOL STICK ZERO can be used.

(1) : According to the Canadian Wood Council, a wood substrate is considered dry when its moisture content is less than 19%.

INSTALLATION

1. Begin by installing SOPRASEAL STICK AVB AT membrane on angle changes, details and penetrations by removing the silicone release paper from the self-adhesive underside.
2. Proceed with the overall installation of the SOPRASEAL STICK AVB AT by ensuring that all membranes overlap a minimum of 50 mm (2 in).
3. Once installed, a pressure must be applied over the whole surface using a hard roller to ensure a complete and uniform adhesion.
4. Use SOPRASEAL SEALANT with SOPRASEAL STICK AVB AT membrane to seal around details, reverse laps and critical areas.

Application temperature: -18 to 45 °C (0 to 113 °F)
Service temperature: -45 to 80 °C (-49 to 176 °F)
UV exposure: 12 months

WARNING

When spray-applied insulation must be installed over the SOPRASEAL STICK AVB AT membrane, additional protective measures must be taken to prevent potential membrane delamination caused by the curing of the insulation. Metal bars must be mechanically fastened around the building perimeter, at membrane transitions, and around door and window frames, as well as any other openings. In addition, when spray-applied insulation must be installed over the SOPRASEAL STICK AVB AT membrane, it is recommended not to expose the membrane to inclement weather for more than 90 days.

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

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Note: All products manufactured by SOPREMA, Inc. comply with the description and properties indicated in the data sheet in effect at the date of manufacture.

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GENERAL INFORMATION

Specifications	SOPRASEAL STICK AVB AT
Thickness	0.4 mm (16 mils)
Dimensions	0.91 x 22.9 m (3 x 75 ft)
Gross / Net area per roll	20.8 / 19.7 m^2 (225 / 212 ft^2)
Cut-outs (1)	100, 150, 230, 300, 460 mm (4, 6, 9, 12, 18 in)
Selvedge width	50 mm (2 in)
Surface	Tri-laminated woven polyethylene
Underface	Silicone release paper

(1): All cut-out membranes have a silicone split-back release paper except for the 102 mm (4 in) size.

PROPERTIES

SOPRASEAL STICK AVB AT meets the CSA A440.4 standard for windows and doors installation.

Properties	Standards	SOPRASEAL STICK AVB AT
Tensile strength, MD/XD	ASTM D5147	13.1 / 9.6 kN/m (74 / 55 lb/in)
Ultimate elongation, MD/XD	ASTM D5147	40% / 25%
Flexibility at cold temperature	ASTM D5147	-40 °C (-40 °F)
Flow, *at 110 °C (230 °F)*	ASTM D5147	Pass
Dynamic puncture	ASTM E154	575 N (129 lbf)
Water vapour transmission	ASTM E96 *(Procedure A and B)*	< 2.5 ng/Pa•s•m^2 (< 0.04 perm)
Air permeability, *at 75 Pa*	ASTM E2178	< 0.0005 L/s•m^2 (< 0.00001 cfm/pi^2)
Nail sealability	ASTM D1970 modified	Pass
Air leakage resistance	ASTM E2357	< 0.001 L/s•m^2
Air permeance of membrane	CAN/ULC S741	Pass
Smoke developed	ASTM E84	Class A
Flame spread	ASTM E84	Class A
Adhesion after elevated temperature exposure AAMA 711-13, level 3, *7 days at 80 °C (176 °F)*	ASTM D3330	Pass

(All values are nominal)
SOPRASEAL STICK AVB AT is part of a wall system tested according to the ULC-S742 standard.

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SOPREMA®

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

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STORAGE AND HANDLING

The shelf life for the SOPRASEAL STICK AVB AT is 24 months. Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after removal of the delivery packaging.

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