



WATERPROOFING

APPLICATIONS

WALLS

SOPRASEAL STICK 1100 T

TECHNICAL DATA SHEET 160304SCANE

(supersedes 160111CANE)

DESCRIPTION

SOPRASEAL STICK 1100 T is a self-adhesive membrane composed of SBS modified bitumen 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 or film.

SOPRASEAL STICK 1100 T is designed for air/vapour barrier waterproofing applications. It is also used as masonry and through wall flashing membrane as well as waterproofing membrane at openings and transitions. SOPRASEAL STICK 1100 T can also be use in conjunction with SOPRASEAL WFM as a wall flashing membrane.

RECOMMENDED SUBSTRATES

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

SURFACE PREPARATION

The use of SOPRASEAL STICK PRIMER, ELASTOCOL STICK ZERO or ELASTOCOL STICK H₂O, is required before the installation of SOPRASEAL STICK 1100 T membrane. The substrate should be clean, sound, free of excess water and loose materials, grease and any contaminants, which may compromise the performance of the product.

INSTALLATION

SELF-ADHESIVE

SOPRASEAL STICK 1100 T membrane must be adhered to support by peeling off the silicone release paper or film.

All membrane overlaps must be a minimum of 50 mm (2 in).

Once installed, a pressure must be applied over the whole surface using a hard roller to ensure a perfect adhesion.

Application temperatures: Winter grade: -10 to 10°C (14 to 50°F)
Summer grade: 10 to 50°C (50 to 122°F)

Service temperatures: Winter grade: -45 to 90°C (-49 to 194°F)
Summer grade: -45 to 90°C (-49 to 194°F)

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



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PACKAGING

| Specifications | SOPRASEAL STICK 1100 T (complete roll) | SOPRASEAL STICK 1100 T (pre-cut roll) |
|----------------|---|--|
| Thickness | 1.0 mm (40 mil) | |
| Dimensions | 0,91 x 22,9 m (3 x 75 ft) | 100 x 22,9 mm (4 in x 75 ft) 150 x 22,9 mm (6 in x 75 ft) 225 x 22,9 mm (9 in x 75 ft) 300 x 22,9 mm (12 in x 75 ft) 450 x 22,9 mm (18 in x 75 ft) |
| Weight | 1.0 kg/m ² (0.2 lb/ft ²) | |
| Selvedge width | 50 mm (2 in) | - |
| Surface | Tri-laminated woven polyethylene | |
| Underface | Silicone release paper | Silicone release film |
| Qty/pal | 36 | Varies depending of the width |

(All values are nominal)



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PROPERTIES

| Properties | Standards | SOPRASEAL STICK 1100 T |
|---|---|---|
| Tensile strength, MD/XD | ASTM D5147 | 13.1 / 9.6 kN/m (74 / 55 lb/in) |
| Ultimate elongation, MD/XD | ASTM D5147 | 40 / 25 % |
| Ultimate elongation (bitumen) | ASTM D5147 | > 1000 % |
| Flexibility at cold temperature | ASTM D5147 | -35°C (-31°F) |
| Static puncture | ASTM E154 | 575 N (129 lbf) |
| Tear resistance, MD/XD | ASTM D5147 | 535 / 245 N (120 / 55 lbf) |
| Lap adhesion | ASTM D1876 | 2100 N/m (12 lbf/in) |
| Peel resistance on primed gypsum | ASTM D903 | 1180 N/m (7 lbf/in) |
| Water vapour transmission | ASTM E96 (Procédure B) | < 2.1 ng/Pa•s•m ² (< 0.037 perm) |
| Air permeability, 75 Pa | ASTM E2178 | < 0.0005 L/s•m ² (< 0.00001 cfm/pi ²) |
| Air leakage resistance | ASTM E2357 | Pass |
| Air leakage rate classification | CAN/ULC S742 | A1 |
| Resistance to wind gusts | ASTM E330 (3000 Pa-10s) | No delamination, no variation of air permeability |
| Resistance to uniform static air pressure | ASTM E330 (100 Pa-1h) | No significant delamination, no variation of air permeability |
| Fire resistance | Component of an assembly tested in conformity with NFPA 285 | Pass |
| Nail sealability | ASTM D1970 modified | Pass |

(Valeurs nominales)

STORAGE AND HANDLING

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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