

# SOPRASEAL STICK VP-S FR

## Self-adhesive vapour permeable air barrier membrane

**January 2024**

**DESCRIPTION:**

SOPRASEAL STICK VP-S FR is a self-adhesive vapour permeable air barrier membrane used in wall and roof constructions. It prevents air leakage through the building envelope and allows moisture to escape before causing any material damage to the structure.

SOPRASEAL STICK VP-S FR has trilaminar polypropylene highly UV stable facer and a self-adhesive underside covered by a silicone release film, easing the installation process.

It can be used on most building surfaces, such as masonry, concrete, wood, gypsum, rigid insulation panel and OSB surfaces.

**Key Benefits:**

- Compliance with AS/NZS 4200.1
- High vapour performance (Class 4)
- UV exposure up to 180 days
- No primer required
- Compatible with most substrates

**FIELD OF APPLICATION:**

SOPRASEAL STICK VP-S FR can be used vertically and horizontally for the following general applications:

- Pitch Roofs
- Walls

**PACKAGING:**

Specification	SOPRASEAL STICK VP-S FR
Thickness	0.78 mm
Dimensions	30.48 x 1.22 m
Roll weight	15.6 kg
Rolls per pallet	36

(All values are nominal)

**TECHNICAL DATA:**

Properties	Test Method	SOPRASEAL STICK VP-S FR
Duty classification	AS/NZS 4200.1	Light wall
Burst strength	AS 2001.2.19	> 200 N
Tensile strength	ASTM D5034	MD: 40 lbs ; CD 100 lbs
Edge tear resistance	AS/NZS 4200.1 Clause 5.3.2.3	Extra heavy
Water control classification	AS/NZS 4201.4	Water barrier
Vapour classification	ASTM E96	Class 4 vapour permeable
Emittance	AS/NZS 4201.5	Non-reflective
Flammability index	AS 1530.2	< 5 (low)
Resistance to dry delamination	AS/NZS 4201.1	Pass
Resistance to wet delamination	AS/NZS 4201.2	Pass
Adhesion to plywood	ASTM D3330	1160 N/m
Shrinkage	AS/NZS 4201.3	< 0.5%
Low temperature flexibility	ASTM D1970	Pass
UV resistance	ASTM G90	180 days

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### **SURFACE PREPARATION:**

#### **SUBSTRATE**

The substrate should be clean, sound, dry and free of loose materials, grease and any contaminants, which may compromise the performance of the product.

#### **PRIMING**

SOPRASEAL STICK VP-S FR is installed on most substrates without primer. However, in a case where specific jobsite conditions may otherwise require surface preparation, an approved Equus primer can be used.

### **INSTALLATION:**

- SOPRASEAL STICK VP-S FR membrane must be adhered to substrate by peeling off the silicone release film.
- Side lap joints must be a minimum of 70 mm and end lap joints must be a minimum of 100 mm when installed on walls.
- Side lap joints must be a minimum of 100 mm and end lap joints must be a minimum of 150 mm when installed on roofs.
- Apply even pressure using a membrane roller over the entire surface of the membrane to ensure good adhesion.
- Use SOPRASEAL SEALANT with SOPRASEAL STICK VP-S FR or SOPRASEAL STICK FLASHPRO HT membrane to seal around details, reverse laps and critical areas.
- All penetrations and upturn details should be realised as per SOPREMA guidelines and detail drawings.
- Application temperatures: 0 °C to 50 °C
- Service temperatures: -40 °C to 110 °C

For complete information on product installation, please consult your Equus Representative.

### **LIMITATIONS:**

SOPRASEAL STICK VP-S FR must not be used as a temporary waterproofing membrane. Roofing materials must be installed as soon as possible.

### **SCOPE OF USE:**

SOPRASEAL STICK VP-S FR is used as a vapour permeable, air barrier membrane used in wall construction. This product can be used on most surfaces, such as masonry, concrete, wood and exterior gypsum board.

Where insulation is used in the exterior wall assembly, the air barrier can be used on either side of the insulation as it allows vapour diffusion.

Can be used as an air barrier in other areas of a building with the written approval of Equus Industries Ltd

### **CONDITIONS OF USE:**

SOPRASEAL STICK VP-S FR should not be installed at temperatures below -7°C, when it is raining, snowing or very humid.

SOPRASEAL STICK FLASHPRO HT tape shall be used to form a tight perimeter seal around various openings, and SOPRASEAL SEALANT shall be used to seal details, reverse laps and critical details.

SOPRASEAL STICK VP-S FR may be exposed to UV conditions for a maximum of 180 days.

The product must be installed by a Certified Equus Applicator. Verification of their status can be confirmed by a current applicator certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval by Equus Industries Ltd.

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**BUILDING CODE COMPLIANCE:**

**B2 Durability** - B2.3.1 (b) SOPRASEAL STICK VP-S FR has a durability of at least 15 years, when installed with the correct specification, installation and maintenance.

**E2 External moisture** - E2.3.2, E2.3.5, E2.3.6, E2.3.7 Test data, together with in-service history internationally, of the correctly installed SOPRASEAL STICK VP-S FR membrane over correctly designed and constructed substrates, show that the air barrier membrane successfully resists the ingress of moisture, and prevents external moisture accumulating and causing degradation of building elements.

**F2 Hazardous building materials** - F2.3.1 Well known experience with the type of materials used together with in-service history, show that SOPRASEAL STICK VP-S FR complies with this performance requirement. Refer to SDS at [www.equus.nz](http://www.equus.nz)

**H1 Energy efficiency** - H1.3.1 (b) Test-data shows that SOPRASEAL STICK VP-S FR provides the building with limited uncontrollable airflow.

**SUPPORTING DOCUMENTATION**

Test reports can be provided by SOPREMA New Zealand Ltd.

**STORAGE AND HANDLING:**

Rolls must be stored indoors, in their original packaging. On job site, cover them with an opaque cover after the removal of the delivery packaging.

**WARNINGS AND BANS:**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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**MANUFACTURERS CONTACT DETAILS:**

Manufacture location	China
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	<a href="http://www.soprema.com.au">www.soprema.com.au</a>
Manufacturer email	<a href="mailto:info@soprema.com.au">info@soprema.com.au</a>
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Manufacturer NZBN	9429050312962

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