

# Soprasedal Wall Wrap Membrane System



**SOPREMA**<sup>®</sup>



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## Description

The Soprasedal Wall Wrap Membrane System is a wall underlay system, consisting of:

- SOPRASEAL STICK VP-S-FR - a trilaminar polypropylene highly UV stable facer and a self-adhesive underside covered by a silicone release film, supplied in rolls 1500 mm x 30 m
- SOPRASEAL STICK FLASHPRO HT- a self-adhesive membrane composed of a polymer based adhesive and a polyethylene film facer with a silicone release paper supplied in rolls 150 mm x 23 m
- SOPRASEAL SEALANT - is a solvent-free and low VOC, moisture cure polyether sealant (STPE) grey paste supplied in 600 ml package

## Intended Use

The Soprasedal Wall Wrap Membrane System is a wall underlay system incorporating a self-adhesive vapour permeable air membrane, window flashing membrane and tape for openings and transitions, and sealant to seal around wall penetrations (eg pipes).

## Technical Literature

- SOPRASEAL STICK VP-S FR Technical Data Sheet
- SOPRASEAL STICK FLASH PRO HT Technical Data Sheet
- SOPRASEAL SEALANT Technical Data Sheet
- SOPREMA System Information Sheet: SOPREMA Soprasedal Stick Vapour Permeable wall membranes

## Building Code Compliance

When used as described in this PTS, Soprasedal Wall Wrap Membrane System meets or contributes to the following relevant performance requirements of the New Zealand Building Code

Clause B2 Durability: Performance Clauses B2.3.1 (a), B2.3.2

Clause C3 Fire affecting areas beyond the fire source: Performance Clauses N/A

Clause E2 External moisture: Performance Clauses E2.3.2 (contributes to); E2.3.5 (contributes to); E2.3.6 (contributes to); E2.3.7

Clause F2 Hazardous building materials: Performance Clauses F2.3.1

### Clause B2 Durability: Performance Clauses B2.3.1 (a), B2.3.2

**Basis:** By testing and comparison with Verification Method B2/VM1 and Acceptable Solution E2/AS1.

SOPRASEAL STICK VP-S-FR satisfies all the requirements of NZS2295 for all properties specified by E2/AS1: mechanical properties (tensile strength and edge tear resistance) after 500, 750 and 1125 hours, equivalent to 42, 60 and 90 days respectively.

## Clause C3 Fire affecting areas beyond the fire source: Performance Clauses N/A

**Basis:** N/A

SOPRASEAL STICK VP-S-FR has been tested to AS1530 Pt 2 and has a flammability index less than 5. Sopraseal Stick VP-S-FR is not a suspended flexible fabric and C3.4(c) is not applicable. Sopraseal Stick VP-S-FR is not exposed as an internal surface lining, and C3.4(a) is not applicable.

## Clause E2 External moisture: Performance Clauses E2.3.2 (contributes to); E2.3.5 (contributes to); E2.3.6 (contributes to); E2.3.7

**Basis:** By testing and comparison with Acceptable Solution E2/AS1 and referenced standard NZS2295

SOPRASEAL STICK VP-S-FR is a water barrier and is classified as Class 4 vapour permeable, which easily meets the requirement of NZS2295. It also satisfies the requirements of NZS2295 for mechanical properties (tensile strength and edge tear resistance). SOPRASEAL STICK FLASHPRO HT flashing tape meets and exceeds the requirements of ICBO Acceptance Criteria AC148 referenced in Acceptable Solution E2/AS1 and tested to AAMA 711.

## Clause F2 Hazardous building materials: Performance Clauses F2.3.1

**Basis:** By comparison with the performance requirements of Building Code Clause F2.3.1

No harmful concentrations of gas, liquid, radiation or solid particles are emitted by or concentrated at the surface of the Sopraseal Wall Wrap Membrane System. It contains no isocyanates.

## Supporting Information

- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
- C1 - C6 Protection from Fire Acceptable Solution C/AS1 Protection from fire for buildings with sleeping (residential) and outbuildings (risk group SH) Second Edition, 2 November 2023
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 3), 2 November 2023
- NZS 2295 2295:2006 Pliable, permeable building underlays
- AS1530.2:1993 Methods for fire tests on building materials, components and structures
- ICC-ES AC148 Acceptance Criteria for Flexible Flashing Tapes, March 2011
- American Architectural Manufacturers Association AAMA 711-13, Voluntary Specifications for Self-adhering Flashing used for Installation of Exterior Wall Fenestration Products, July 2013
- AWTA Test Report: 21-005905, Tests to AS 1530.2:1993, 30 November 2021
- AWTA Test Report: 21-006178, Tests on Soprema Lastobond/Soprasedal VP, 17 January 2022

## Conditions

The Sopraseal Wall Wrap Membrane System is suitable for use on buildings:

- a. situated in wind zones (as defined in NZS 3604:2011) up to and including "Extra High",
- b. located in all exposure zones as defined in NZS3604:2011,
- c. in all locations within buildings,
- d. with absorbent or non-absorbent wall claddings directly fixed or installed over an 18 mm minimum drained cavity; or with masonry veneer

## Design Requirements

SOPRASEAL STICK VP-S FR Membrane can be used on most building surfaces, such as masonry, concrete, wood, gypsum, rigid insulation panel and OSB surfaces.

SOPRASEAL STICK FLASHPRO HT Flashing tape can be used on most substrates, such as masonry, concrete, wood, gypsum, polyethylene, PVC, metal, aluminium and on building underlays.

SOPRASEAL SEALANT can be used on most substrates such as aluminium, metal, concrete, masonry and plastics including PVC.

## Installation Requirements

The Sopraseal Wall Wrap Membrane System shall be:

- a. Installed:
  - i. in accordance with the manufacturer's instructions (product datasheets), and
  - ii. at an ambient and substrate temperature greater than 0°C,
- b. separated from fireplaces, heating appliances, flues and chimneys in accordance with the requirements of NZBC Acceptable Solutions C/AS1 and C/AS2, Paragraph 7.5.9 for the protection of combustible materials, and
- c. protected from sunlight within 180 days.

## Supplementary Information

The following product codes apply:

- 513600 SOPRASEAL STICK VP-S-FR
- 513726 Sopraseal Stick FlashPro HT
- 513722 SOPRASEAL SEALANT

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This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.

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This product is manufactured by Soprema New Zealand Ltd, NZBN9429050312962 trading as Soprema New Zealand Ltd, Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland, info@soprema.com.au, www.soprema.com.au and imported by Equus Industries Ltd, NZBN9429032000306 trading as Equus Industries Ltd, 4 Sheffield St, Blenheim 7274, New Zealand, info@equus.co.nz, www.equus.nz

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