

VaproAirSeal™

an air and watertight single component sealant

Product No.: 60509800



Product Description

VaproAirSeal is a single component air and watertight sealant. It is suitable for use in all climates.

BASIC USE

VaproAirSeal is applied in vertical and horizontal above grade rough opening applications and transitions to all VaproShield WRB and Air Barrier membranes.

MATERIALS

VaproAirSeal is an advanced polymer sealant that allows for +/- 50% joint movement.

BENEFITS

Fills gypsum seams and fasteners in preparation for fluid applied air barrier

Improves air and water tightness – of fenestration systems; sealing the interior window frame to the window rough opening flashing

Air and watertight - bonds to VaproShield materials without primers (or priming)

Permanently Flexible - allowing for +/- 50% joint movement

Paintable – in two (2) hours

Emits very low VOCs – contains no solvents

Compatible Substrates

Can be applied and bonds to most common building materials without priming.

- Concrete
- CMU Block
- Plywood
- Framing Lumber
- OSB
- Brick
- Metal (Steel, Aluminum)
- MGO Board
- Exterior Gypsum Sheathing

Contact VaproShield Technical – if you have additional substrate or technical questions.

Installation

STORAGE AND HANDLING

Store unopened sausages at temperatures between 41°F to 86°F (5°C to 30°C). Avoid high humidity. Use within 18 months from the date of manufacture.

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, surface preparation, and application procedure planned for general application.

PREPARATION

The substrate must be clean, frost free and free of any oils, greases or incompatible sealers that may interfere with adhesion. Do not apply if surface is contaminated. It is recommended to test all substrates prior to applications.

EQUIPMENT

Apply using a professional sausage gun.

LIMITATIONS

Not for use in place of appropriate through-wall flashing, below grade, or in locations designed to be continuously immersed in water.

BEST PRACTICE INSTALLATION

Install according to installation instructions on details and product installation instructions. Visit VaproShield.com.

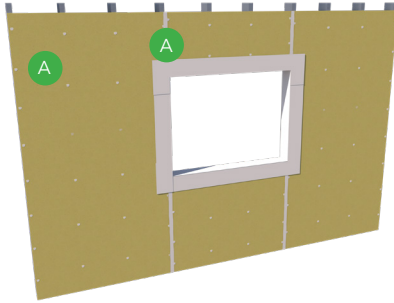
CLEAN-UP

Clean excess material with mineral spirits or similar solvent.

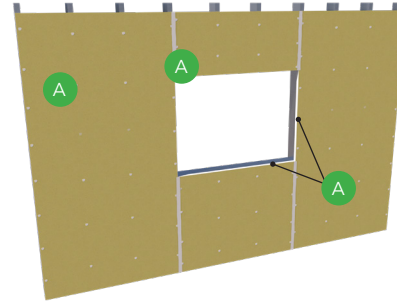
Technical Data

PHYSICAL PROPERTIES	
PROPERTY	RESULT
Sizes/Packaging	20 fl. oz, 591 ml. Sausage 20 sausages per box
Minimum Application Temperature	35°F (1.7°C)
Service Temperature	-40°F (-40°C) - 200°F (93 °C)
Skin Time	Less than 20 min. @ 77°F (25°C)/50% RH
Tack Free Time	< 60 minutes @ 25 °C (77 °F)/ 50% RH
Cure Rate	¼" (6.35 mm) 48 hours
VOC	< 23 g/L
Elongation @ Break	200-250%
UV Rating	No discoloration or change in appearance after 2500 hours of UV
Lap Shear	0.62 MPa (90 psi)
Tensile Strength	1.03-1.38 MPa (150-200 psi)

Typical VaproAirSeal Applications with VaproLiqui-Shield

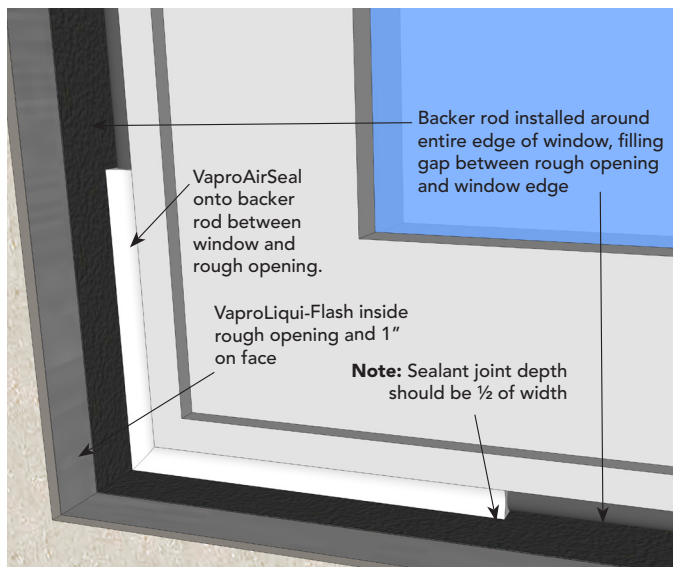


- A Tool VaproAirSeal on seams less than ¼" and fasteners in preparation for VaproLiqui-Shield fluid-applied air barrier



- A Tool VaproAirSeal on seams less than ¼", fasteners and along any raw edges of gypsum sheathing in the rough opening.

Interior Air Seal



Backer rod installed around entire edge of window, filling gap between rough opening and window edge

VaproAirSeal tooled onto backer rod between window and rough opening.

Note: Sealant joint depth should be ½ of width

VaproLiqui-Flash inside rough opening and 1" on face

Safety Information

FIRST AID

Ingestion: DO NOT induce vomiting. Have victim rinse mouth with water, if conscious. DO NOT give anything by mouth to an unconscious or convulsing person. Call a physician or poison control center.

Eye Contact: In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation develops consult a physician.

Skin Contact: Wash off material with a dry cloth. Wash with soap and water. In case of skin irritation, call a physician.

Inhalation: Remove to fresh air. If victim is having trouble breathing, move to medical care.

24-Hour Emergency Information: CHEMTREC at 1-800-424-9300.

Availability

VaproShield products are available throughout North America, Central and South America, and New Zealand.

Warranty

A 20-year material warranty is available.

PRODUCT DATA SHEET

VaproAirSeal™ Product No.: 60509800

TESTING DATA		
PROPERTY	STANDARD	RESULT
Durometer Hardness, Shore A	ASTM C661 Standard Test Method for Evaluating Degree of Cracking of Exterior Paints	35 +/- 5
Tensile Strength	ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension	1.03-1.38 MPa (150-200 psi)
Elongation at Break	ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension	200-250%
Lap Shear	ASTM C961 Standard Test Method for Lap Shear Strength of Sealants	0.62 MPa (90 psi)
Low / High Temp Flexibility		minus -90 °F (68 °C) / 425 °F (218 °C)