

VaproAirSeal™

an air and watertight single component sealant for perimeter seal of installed windows: Product No.: 60509800



Product Description

VaproAirSeal is a single component air and watertight sealant designed to seal interior window openings. It is suitable for use in all climates.

BASIC USE

VaproAirSeal is applied as an interior window sealant.

MATERIALS

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

BENEFITS

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.

COMPATIBILITY

Compatible with VaproBond™, VaproLiqui-Flash™, Vapro-SS Flashing™.

Contact VaproShield Technical – if you have additional compatibility questions.

Technical Data

PHYSICAL PROPERTIES	
PROPERTY	RESULT
Minimum Application Temperature	40°F (4.4°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)

Installation

STORAGE AND HANDLING

Store VaproAirSeal in a controlled dry environment below 75°F (24°C). Use within 12 months from date of manufacture.

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.

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.

SIZES/PACKAGING

- 20 fl. oz, 591 ml. Sausage
- 20 sausages per box
- Packaging: 20 per box

SURFACE AND AIR TEMPERATURES

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

For use on interior fenestration seal.

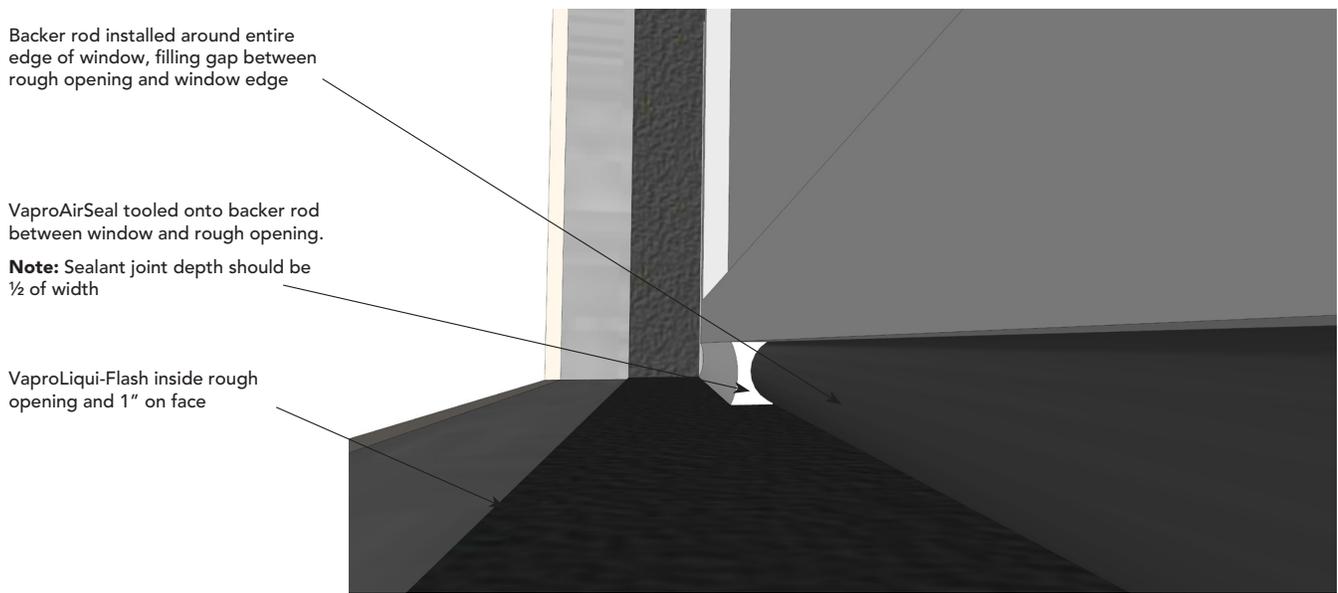
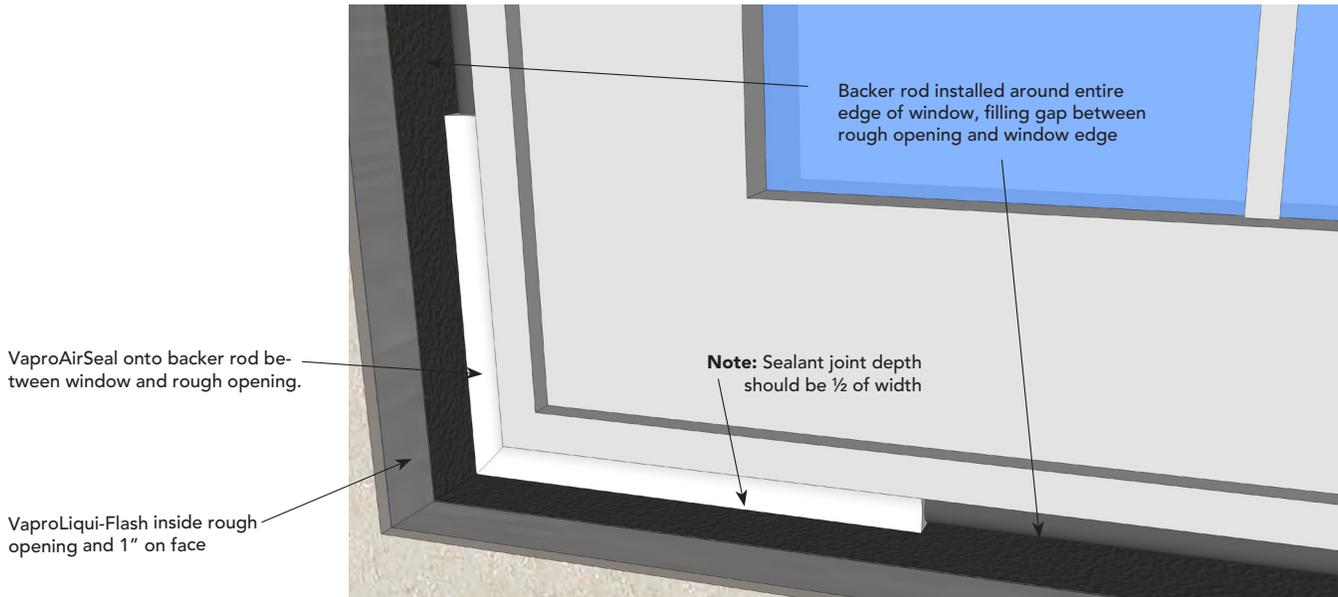
BEST PRACTICE INSTALLATION

- Prepare clean surface.
- Cut nozzle to the desired bead size.
- Apply with a professional sausage gun, forcing sealant onto the substrate, then tool if needed.
- Install backer rod entire edge of window, filling gap between rough opening and window edge.
- Apply VaproAirSeal onto backer rod between window and rough opening.
- Sealant joint depth should be 50% of the width

CLEAN-UP

Clean excess material with mineral spirits or similar solvent.

Typical VaproAirSeal Applications



Window and Rough Openings Flashing	VaproLiqui-Flash	Vapro-SS Flashing	VaproBond
Rough Opening Flashing Membrane	Flashing membrane in conjunction with one of the following:		
Application Temperature	35°F to 110°F (1.7°C to 43°C)	20°F to 170°F (-6.7°C to 77°C)	20°F to 120°F (-6.7°C to 49°C)
Drying Capacity	High	None	Low
Breathable Permeability			
Application Method	Sausage Gun / Putty Knife or Brush	Utility Knife /J-Roller	Sausage Gun / Putty Knife

ACCESSORIES		
Product	Part No.	Roll Sizes
WrapFlashing SA Self-Adhered	46105590	Roll Size: 11 3/4" x 164' (298mm x 50m) 161 S/F (15 S/M)
	46108090	Roll Size: 19 2/3" x 164' (500mm x 50m) 269 S/F (25 S/M)
RevealFlashing SA Self-Adhered	44305500	Roll Size: 11 3/4" x 102' (298mm x 31.1m) 100 S/F (9.3 S/M)

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.

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)