



**1. Product Name**

**VAPROBOND™**

**2. Manufacturer**

VaproShield, LLC.  
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**3. Product Description**

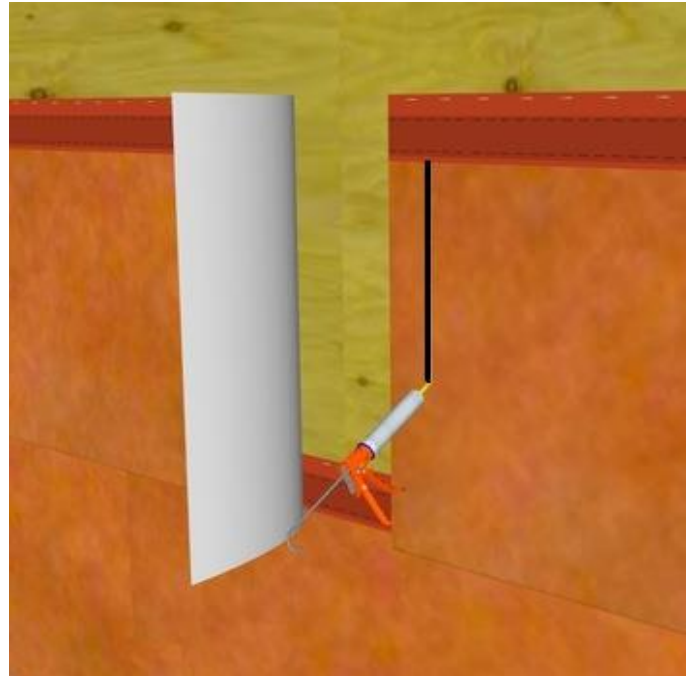
OVERVIEW

VAPROBOND is a single component 100% silicone sealant designed to adhere low surface energy materials to themselves. Use VAPROBOND to bind layers of VaproShield membranes or adhere to typical construction material surfaces.

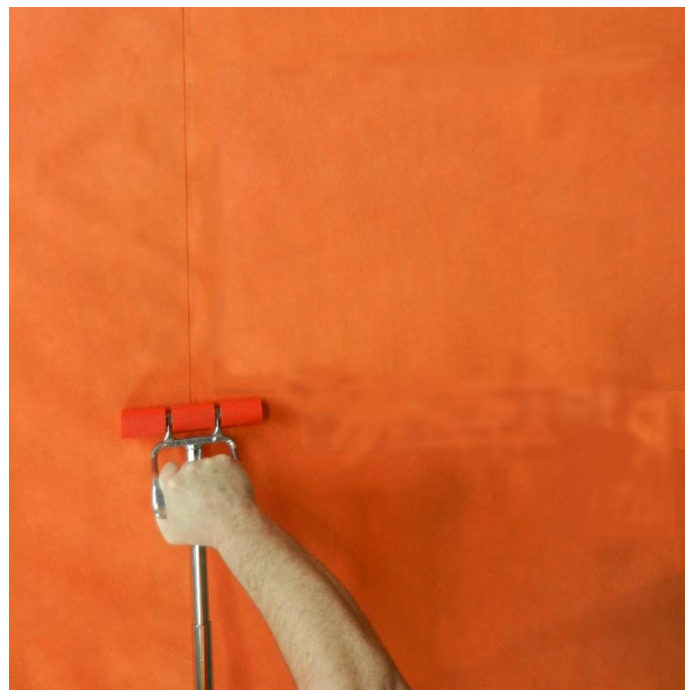
VAPROBOND simplifies the process of producing watertight airtight details.

BENEFITS

- Bonds to most common building materials without priming to produce a durable, structural, air and moisture tight seal.
- Excellent weatherability
- UV stable
- Remains flexible under extreme temperatures
- Usable over a wide temperature range.(-50 ° to 300 °F (-45° to 149 °C)
- Contributes to improved air tightness of water resistant air barriers, sealing overlaps and penetrations.



VAPROBOND is a gunnable adhesive sealant for VaproShield’s membranes.



Hand roller pressure used to seal the seam for an air and water tight seal.

MATERIAL

VAPROBOND is a black silicone-based adhesive sealant. This single-component, is easy to gun, spread and tool to produce a highly durable, seal.

PACKAGING: 20 oz. (592 ml) sausages

## PRODUCT DATA SHEET

## 07 27 00 Air Barriers

### 4. Technical Data

VAPROBOND meets or exceeds ASTM-C-920 type S, Grade NS, Class 25.

VAPROBond™	
Shelf Life	12 months stored in unopened sausages at temperatures lower than 80 °F (27 °C)
Service Temperature	-50 ° to 300 °F (-45° to 149 °C)
Water Vapor Transmission ASTM E96	6.5 perms @ 14 mil (0.36 mm)
Dynamic Joint Movement ASTM C719	±25 %
Elongation ASTM D412	1500 %
Tensile Strength ASTM D412	165 psi
Modulus, 100 % Elongation ASTM D412	33 psi
Elongation at Break	400%
Peel Strength	12 pli
Tack-Free Time ASTM C679	50 minutes
Adhesion ASTM D794	Pass
VOC Content ASTM D3960	80 g/L

### 5. Installation

#### APPLICATION

Before use, read "Preparation" and "Safety Information."

#### DILUTION

Apply as packaged. Do not dilute or alter, or use for applications other than specified. No mixing required.

#### PREPARATION

To ensure best results, apply to clean surfaces free of contaminants. Chemical residues, surface coatings or films may adversely affect adhesion.

Protect people, vehicles, property, plants and all other surfaces not intended to receive VAPROBOND.

#### SURFACE AND AIR TEMPERATURES

Surface and ambient temperatures should be above -20 °F (-29 °C) and below 120 °F (48.9 °C) during application and drying. It is recommended that the sealant-adhesive be kept above 40 °F (4.4 °C) prior to installation. Do not apply VAPROBOND when temperature is at or below dew point or frost begins to form on the surface. Wind and high temperatures will accelerate drying of VAPROBOND.

Though VAPROBOND tolerates rain after installation, do not apply to surfaces with standing water or frost.

#### EQUIPMENT

Apply using a professional caulking gun. When needed use a DRY joint knife, trowel, or spatula to spread the product. Do not use soapy water or alcohol when tooling or spreading. Using a hand roller to apply firm pressure to the two overlapping membrane surfaces, spreading the adhesive-sealant to insure water/air tight seal.

#### CURING AND DRYING

At 77 °F (25 °C) and 50% relative humidity, product is tack-free 25-35 minutes. Higher temperature and/or humidity will shorten this time. Cured service temperatures: -50 ° to 300 °F (-45° to 149 °C)

#### STORAGE & HANDLING

Store VAPROBOND unopened sausages at temperatures lower than 80 °F (27 °C). Do not open sausage until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80 °F (27 °C) VAPROBOND has a shelf life of 12 months after the date of manufacture. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

#### LIMITATIONS

VAPROBOND should not be used in the following:

- Water immersion or below grade or in locations designed to be continuously immersed in water.
- On surfaces requiring painting with traditional organic based coatings.
- As a structural glazing sealant

#### CLEANUP

Immediately remove all excess VAPROBOND in undesired areas with mineral spirits. Clean tools and equipment with mineral spirits or similar solvent immediately after use. Observe all manufacturer's safety precautions. Remove cured VAPROBOND mechanically using a sharp-edged tool.

### 6. Safety Information

Use with adequate ventilation, safety equipment and jobsite controls during application and handling. Read the full label and SDS for precautionary instructions before use.

#### 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. Get immediate medical attention.

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

**Skin Contact:** Wash with fresh water. Get medical attention if irritation persists.

## PRODUCT DATA SHEET

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

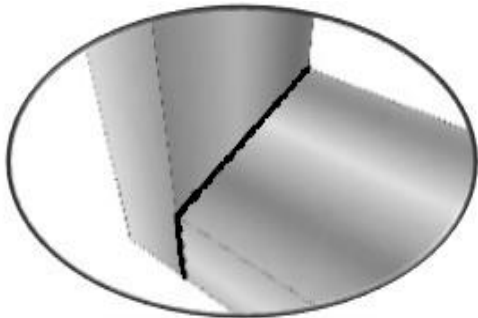
**24-Hour Emergency Information: INFOTRAC at 800-535-5053.**

### 7. Availability

VaproShield products are available from qualified representatives throughout North America; contact VaproShield or go to [www.vaproshield.com](http://www.vaproshield.com) or [www.vaproshield.ca](http://www.vaproshield.ca) for local contact information.

### 8. Warranty

Information and recommendations are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made because we cannot anticipate every application or variations encountered in building surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose. VaproShield has tested this product with our Vapor Permeable Water Resistant and Air Barrier Membranes only, and have found the product to be fit for use with our membranes.



Using VAPROBOND the seal the Vapro-SS Flashing corner of a rough opening.



Apply VAPROBOND at a minimum 3/8" bond line to the reverse lapped membrane.

## 07 27 00 Air Barriers



Use a DRY joint knife, trowel, or spatula to tool sealant.



Membrane abrasion and hole, prior to repair with VAPROBOND.



Apply VAPROBOND to the abrasion and reverse lap of the patch to ensure a water and air tight seal. Use a DRY joint knife, trowel, or spatula to tool sealant.