

## PRODUCT DATA SHEET

## 07 00 00 Liquid Applied Flashing Membrane



### 1. Product Name

#### VAPROLIQUI-FLASH™ Vapor Permeable Liquid Applied Flashing Membrane

### 2. Manufacturer

VaproShield, LLC.  
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### 3. Product Description

#### OVERVIEW

Use VAPROLIQUI-FLASH as a liquid flashing membrane in rough openings of structural walls.

VAPROLIQUI-FLASH allows same day installation of windows, doors and other wall assembly, waterproofing or air barrier components.

Suitable for all climates, bonds directly to damp or dry surfaces and cures under a variety of weather conditions. It simplifies the process of producing watertight details in new or existing construction.

Appropriate for vertical or horizontal above-grade applications to concrete, masonry, natural stone, structural sheathing, architectural metal panels, painted metals, glass, PVC, FRP, EPDM, all VaproShield WRB and Air Barrier membranes, and most other building materials.

#### BENEFITS

- Solvent free. Isocyanate free. Complies with all VOC regulations.
- Silane functional polymer provides superior long term adhesion, crack bridging and weathering characteristics.
- Bonds to most common building materials without priming to produce a durable, structural, weather-tight seal which is not subject to tearing or displacement when subjected to wind loads during constructions.
- Will not tear or lose effectiveness when exposed to weather during construction.
- May be exposed to weather for up to 6 months without compromising performance.
- Single component formulation saves time and requires no mixing.

- Easy to gun and spread in all climates.
- Produces an opaque membrane when installed at the recommended 12-15 wet mils to simplify inspection and quality control.
- Bonds and cures in wet weather and on damp substrates.
- Paintable with most paints after 2 hours.
- Compatible with most urethane, silicone and acrylic sealants and coatings.
- No shrinkage. No staining. No yellowing.
- Breathable – allows damp surface to dry.
- Will not support mold growth.
- Cured service temperatures: -50°F (-45°C) to 350°F (175°C).
- Meets IITS-0230C and ASTM-C-920.



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#### MATERIAL

VAPROLIQUI-FLASH is a gun-grade waterproofing, adhesive and detailing compound that combines the best of silicone and polyurethane properties. This single-component, 99% solids, Silyl-Terminated-Poly-Ether (STPE) is easy to gun, spread and tool to produce a highly durable, seamless, elastomeric flashing membrane.

### 4. Regulatory Compliance

#### VOC COMPLIANCE

VAPROLIQUI-FLASH is compliant with the following national, state and district VOC regulations:

- ✓ US Environmental Protection Agency
- ✓ California Air Resources Board SCM Districts
- ✓ South Coast Air Quality Management District
- ✓ Maricopa County, AZ
- ✓ Northeast Ozone Transport Commission

**5. Technical Data**

<b>VAPROLIQUI-FLASH™</b>	
FORM	black, gun-grade sealant
SPECIFIC GRAVITY	1.45 - 1.60
pH	Not Applicable
WT/GAL	12.5 lbs./gal
ACTIVE CONTENT	99%
TOTAL SOLIDS	99%
VOC CONTENT	30 g/L maximum
FLASH POINT	No data
FREEZE POINT	No data
SHELF LIFE	1 year in unopened, factory-sealed container
<b>CURED PROPERTIES</b>	
Hardness, Shore A	40-45
Tensile Strength	180 psi
Elongation at Break	400%
Water Vapor Transmission	14 perms @ 12 mils
Peel Strength	12 pli
Accelerated Weathering	Passes
Surface Burning ASTM E 84	Flame Spread: 0 Smoke Developed: 15 NFPA and ICC Class A Building Material
Staining	Passes
Corrosive Properties	Non-corrosive
<b>UNCURED PROPERTIES</b>	
Cure Rate	3/16 inch thickness/24 hours

**6. 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.

**SIZES/COVERAGE:**

VAPROLIQUI-FLASH is available in 20 oz. sausages. Coverage varies based on surface texture and irregularities. Theoretical coverage rates are calculated. Practical coverage rates are based on field experience, applied to irregular surfaces with varying surface textures.

<b>VAPROLIQUI-FLASH Membrane Estimator</b>		
<b>Thickness</b>	<b>Theoretical</b>	<b>Practical</b>
12 - 15 mils.	16-21 sq.ft. per 20 oz. sausage	15-19 sq.ft. per 20 oz. sausage

**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 VAPROLIQUI-FLASH.

Remove and replace damaged sheathing.

VAPROLIQUI-FLASH is fully compatible with urethane or silicone sealants.

Ensure positive drainage at all rough openings.

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

**SURFACE AND AIR TEMPERATURES**

Surface and ambient temperatures should be 35°F (2°C) and rising and below 100°F (38°C) during application and drying. Wind and high temperatures will accelerate drying of VAPROLIQUI-FLASH. If air or surface temperatures exceed 95°F (35°C), apply VAPROLIQUI-FLASH to shaded surfaces and before daytime air and surface temperatures reach their peak.

Though VAPROLIQUI-FLASH tolerates rain immediately after installation, do not apply to surfaces with standing water or frost.

**EQUIPMENT**

Apply using a professional caulking gun. Use a DRY joint knife, trowel, or spatula to spread the product. Do not use soapy water when tooling or spreading.

**CURING AND DRYING**

At 70°F (21°C) and 50% relative humidity, product skins within 30 minutes and dries in 4 hours. Paintable with most paints after 2 hours.

VAPROLIQUI-FLASH is moisture curing. Low temperatures and low relative humidity slow dry time. High temperatures and high relative humidity accelerates dry time.

**STORAGE & HANDLING**

Store VAPROLIQUI-FLASH in a cool, dry place. Keep container tightly closed when not dispensing. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C) VAPROLIQUI-FLASH has a shelf life of 12 months after the date of manufacture. This shelf life assumes upright storage of factory-sealed containers. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.



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### LIMITATIONS

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

### CLEANUP

Clean tools and equipment with mineral spirits or similar solvent immediately after use. Follow all safety precautions. Remove cured VAPROLIQUI-FLASH mechanically using a sharp-edged tool.

## 7. Safety Information

VAPROLIQUI-FLASH contains calcium carbonate and may cause eye and skin irritation. Use with adequate ventilation, safety equipment and jobsite controls during application and handling. Read the full label and MSDS for precautionary instructions before use.

### FIRST AID

**Ingestion:** DO NOT induce vomiting. 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.

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

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

## 8. 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.

## 9. 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.



Apply using a professional caulking gun.



Use a DRY joint knife, trowel, or spatula to spread.



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