

# ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE

ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is a 100% silicone, low-sag, air- and water-resistive barrier flashing. This single-component liquid flashing is free of solvents and will not shrink or crack.

## KEY FEATURES

- » **Seamless Installation:** ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is easy to apply and is compatible with our ENVIRO-BARRIER™ SILICONE products (see compatibility sheet).
- » **100% Silicone:** Single component, solvent-free formulation that will not shrink or crack. Also offers long-term resistance to weathering, temperatures, UV, etc.
- » **High-Performance Capabilities:** Self-sealing and high elastomeric properties.
- » **Primerless Adhesion:** Will bond to most typical substrates without requiring primer acting as the bonding agent.
- » **Fast Cure:** Skins in approximately 40 minutes, depending on environmental conditions.

## APPLICATIONS

ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is used for the following applications:

- » Seal joints, seams, gaps
- » Detailing nails/fasteners and flashings
- » Rough openings, inside/outside corners
- » Adhering ENVIRO-BARRIER™ SILICONE TS and EB REINFORCING FABRIC

## PACKAGING

ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is currently available in 20 fl oz (591.5 ml) foil sausage packs.

## COLORS

ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is currently available in medium gray.

## INSTALLATION INSTRUCTIONS

**Application:** ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE is designed for use as a concealed air barrier flashing to protect against air, water and moisture penetration around windows and doors for commercial and residential construction.

1. Apply 25-40 mils thick troweled centered on joint.
2. When used for rough opening or general detailing, apply at 25-40 mils thick @ 6" width trowel application. (Mil thickness may vary depending on substrate).
3. To fill open joints, seams, etc., apply appropriate amount of ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE around the area to be sealed. Before skinning takes place spread using a trowel, joint knife or roller to achieve a consistent membrane over the rough opening surfaces.
4. Monitor coverage to make sure there are no pinholes or leak paths.
5. Spread uncured ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE to cover the inside of the rough opening and extend a minimum of 100mm (4in) over the surface of the exterior wall. Product will begin to skin in approximately 40 minutes and 25 mils will typically cure within 24 hours. High humidity and temperature will accelerate skin and cure time. Low temperatures and humidity will extend skin and cure time.

## LIMITATIONS

ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE should not be considered for use when:

- » Installation/application is on dirty, frozen, wet or damp surfaces (application substrate should be dry and free of contaminants).
- » Applications are continuously exposed to water (not for use in underwater applications).
- » Applied product is restricted from having access to environmental/atmospheric moisture, as this is a necessity for skinning/curing.
- » Application is on excessively basic or acidic substrates.

## TECHNICAL SERVICES

For assistance with technical services, please contact your local Hohmann & Barnard location, or contact Hohmann & Barnard directly at the contact information provided on the last page of this TDS.

## PRODUCT SAFETY

All users of this product should review the latest Safety Data Sheet and the label affixed to product for product safety information, handling instructions, personal protective equipment (if necessary), and any special storage conditions required. Safety Data Sheets are available at [www.H-B.com](http://www.H-B.com)

Please refer to product Safety Data Sheet for health and safety guidelines during handling and use, and for emergency response procedures.

## TYPICAL PHYSICAL PROPERTIES

Typical physical properties of ENVIRO-BARRIER™ LIQUID-FLASH™ SILICONE.

PROPERTY	TEST METHOD	VALUE <sup>(1)</sup>
Application Temperature Range		0°F to +120°F (-18°C to 49°C )
Consistency		Trowelable Paste
Elongation	ASTM D412	> 640%
Full Cure		24-48 Hours
Hardness	ASTM D2240	24
Joint Movement Capability	ASTM C719	±50%
Peel Strength	ASTM C794	40 pli
Polymer		100% Silicone
Service Temperature Range (after cure)		-50°F to +250°F (-46°C to 121°C )
Tack Free Time ( 72°F, 50% RH)	ASTM C679	~3-4 hours
Tensile Strength	ASTM D412	> 295 psi
Tooling Time		30-40 minutes
VOC	WPSTM C1454	20 g/l
Weathering and U.V. Resistance	15+ years	Excellent

(1) The data within the typical physical properties are not to be used as or to develop specifications.

## ICC-ES AC212: ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTANT BARRIER OVER EXTERIOR SHEATHING

Sequential Testing - Structural, Racking, Restrained Environmental Conditioning and Water Penetration		
1. Structural	No cracking within the field of the panel, substrate joints and at interface of flashing	ASTM E1233 Procedure A
2. Racking	No cracking within the field of the panel, substrate joints and at interface of flashing	ASTM E72
3. Restrained Environmental Conditioning	No cracking within the field of the panel, substrate joints and at interface of flashing	ICC-ES AC212
4. Water Penetration	No visible water penetration after Structural, Racking, Retrained Environmental Conditioning: Tested for 15 min. at 2.86 psf (137 Pa)	ASTM E331
Sequential testing - Weathering		
1. UV Light Exposure		ICC-ES AC212
2. Accelerated Aging		ICC-ES AC212
3. Hydrostatic Pressure Test	No water penetration after UV exposure and accelerated aging: Tested for 5 hours with 21.7 in (55 cm) of hydrostatic head	AATCC 127
Freeze-Thaw	No cracking, checking, crazing, erosion, delamination or other deleterious effects	ICC-AC212 ASTM E2485 Method B
Water Resistance	No deleterious effects after 14 day exposure.	ASTM D2247
Tensile Bond	> 15 psi (105 kPa)	ASTM C297

**DISCLAIMER:** This product is not intended for direct consumer use. Keep out of the reach of children. All information, recommendations, and suggestions appearing herein concerning this product are taken from sources or based upon data believed to be reliable. The information contained in this Technical Data Sheet (TDS) is correct to the best of our knowledge, information and belief as of the date of the publication of this TDS.

The information provided in this TDS and in the Safety Data Sheet (SDS) accompanying this product are set forth as a guideline for safe handling, use, processing, storage, transportation, disposal and release of this product, and are not to be considered a warranty or quality specification. Hohmann & Barnard extends no warranties or guarantees, expressed or implied, makes no representations, and assumes no responsibility as to the accuracy, reliability or completeness of the information presented.

The information contained in this TDS relates only to the specific product designated, and may not be appropriate or valid for the product used in combination with any other materials or products, or in any process, unless specified herein. Since the actual use of the product described herein is beyond our control, Hohmann & Barnard assumes no liability arising out of the use of the product by others. It is the user's responsibility to determine the suitability of the information presented in this SDS, to assess the safety and toxicity of the product under their own conditions of use, and to comply with all applicable federal, state and local laws and regulations. Appropriate warnings and safe handling procedures set forth in this TDS and in the SDS accompanying this product should be provided to all handlers and users of the product.

**For questions or information:**

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