

ENVIRO-BARRIER™ LIQUID-FLASH™

Joint and Lap Sealer for Wall Penetrations.

1. Product Data

Date of Preparation: March 23, 2017

Product Name: Liquid-Flash™

Producer: Hohmann & Barnard, 30 Rasons Court, Hauppauge, NY 11788

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2. Product Description

Liquid-Flash is formulated using a high performance silyl-terminated polyether polymer technology (STPE). It is a single component, moisture cure elastomeric waterproofing membrane that is applied and tooled to create a long-term moisture proof barrier. Liquid-Flash shows excellent resistance to UV degradation and extreme environmental conditions. Can be applied to damp or wet substrates without outgassing or “bubbling”. Safe to apply in wet conditions when rain is eminent as it will not wash off like other sealants. Because Liquid-Flash is 100% solids it will not shrink or crack. It is compatible with most common building materials, including concrete, plywood, concrete masonry, brick, gypsum sheathing, wood and cement based sheathings.

Applications:

- Window & Door Flashing
- Sheathing Joint Sealant
- Membrane Termination Sealant
- Joint Sealant
- Air Barrier Transitions

3. Features and Benefits:

- Bonds To Wet Substrates
- 100% Solids, Will Not Shrink or Crack
- Resistant to UV Degradation & Weathering
- Excellent, Broad Adhesion Range
- Water Resistant Prior To Cure, Will Not Outgas Or Wash off
- Excellent Physical Properties
- Prevents Moisture Transmission

Additional Benefits:

- VOC Compliant: Contains No Solvents, Phalates or Isocyanates
- Excellent Unprimed Adhesion To Various Substrates
- Breathable, Allows Damp Surfaces To Dry
- Excellent Perm Rating
- Low Odor, Eco-Friendly Formulation
- Fills Joints & Voids

4. Regulatory Compliance

- Conforms to California Proposition 65
- Conforms to USDA Requirements For Non-Food Contact
- Meets Requirements of CARB & SCAQMD
- VOC Compliant (17 grams/liter ASTM D2369)

5. Performance Testing

Property	Test Method	Result
Viscosity		600,000 cps (Spindle 7, 4rpm)
Skin Formation Time		40 minutes (70°F, 50% RH)
Density	ASTM D1475	13.7 lbs./gal
Hardness	ASTM C661	27 (Shore A)
Modulus 100%	ASTM D412	0.63MPa
Tensile Strength	ASTM D412	1.45 MPa
Elongation at Break	ASTM D412	430%
Water Vapor Transmission	ASTM E96	20 Perms
QUV Testing	ASTM G26	Pass (10,000 hrs)
Service Temperature		-50°F to 220°F
Cure In Depth (7 Days)		13mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. Suggested application temperature range: 32°F to 150°F. product can be applied lower than 32°F, however, it will slow down curing. In general lower temperature & humidity will slow skin and cure times.

6. Use Guidelines

Surface Preparation: All surfaces should be clean and dry. Isopropyl Alcohol can be used to clean the surface. **DO NOT USE petroleum based solvents.** Priming is not normally required for applications to nonporous surfaces. Un-primed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact H&B

Testing: Test per application requirement. Always replicate substrate, procedure and environmental conditions. Allow 7 days for maximum strength to develop before testing adhesion or strength.

Application: Liquid-Flash 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. Use to fill open joints, seams, etc. Apply in a “wavy” pattern 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. Monitor coverage to make sure there are no pinholes or leak paths. Spread uncured Liquid-Flash 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. Temperatures below 32°F will significantly affect skin and curing speed. **Do not apply when substrate temperatures exceed 150°F.**

Clean Up: Wet adhesive can be cleaned with alcohol or a compatible adhesive remover and cleaner (a test spot is recommended to verify compatibility). Dry sealant can be removed by abrading or scraping material with the aid of an appropriate cleaner.

7. Other Information

Limitations: Do not store at elevated temperatures. Use only on clean, dry surfaces free of contaminants. Cold temperature and low humidity will slow curing (32°F and below will be most significant). Do not use on olefins such as polyethylene, polypropylene or TPO prior to testing. Test all paints before application. Allow treated wood & asphalt to cure 6 months before application. Concrete must be clean and free of curing compounds and release agents prior to application.

Coverage Rates: Typical coverage is 20-30 lineal feet per 20 oz. sausage at a recommended 12-25 mil coating. Coverage may vary depending on substrates and thickness/tooling of joints and seams being filled.

Storage: Product **MUST** be stored upright. **Do not double stack pallets or containers.** When stored at 70°F and 50% RH, Liquid-Flash has a shelf-life of 12 months from the date of manufacture. High temperature and high humidity can significantly reduce shelf-life.

Caution: Please refer to product SDS sheet for health and safety guidelines during handling and use as well as emergency response procedures.

KEEP OUT OF REACH OF CHILDREN.

WARRANTY: Contact the manufacturer for complete information on product warranty conditions, duration and remedies. Hohmann & Barnard, Inc. makes no warranties, either expressed or implied, of correctness and fitness for use for any particular purpose. The recipient agrees that any use of product information and electronic files is at their own risk. In no event shall Hohmann & Barnard, Inc., be liable for direct, indirect or consequential damages as a result of the recipient use or reuse of product information or electronic files. Hohmann & Barnard, Inc., shall be held harmless against all damages, liabilities or costs, including reasonable attorney fees and defense costs, arising out of or resulting from use of product information or electronic files.

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