

HEF – FM (FLEXIBLE MEMBRANE)
FLEXIBLE EPOXY MEMBRANE ELASTOFLEX™ SYSTEM
Flexible Fluid-Proofing Epoxy Membrane

PRODUCT DESCRIPTION

HEF - FM (Flexible Membrane) Elasto-Flex System is a 100% solids, solventless, high build two part epoxy membrane system. It is designed to be placed under Hallemitte flooring systems. It is intended to replace solvent containing polyurethane membranes for fluid-proofing and crack dampening under flooring systems. It is installed at a nominal 20 to 60 mils, per coat.

HEF – FM Elasto-Flex System is available in clear or in 16 standard colors. It is designed for use in commercial, industrial and institutional environments where a fluid-proofing membrane or crack dampening under an epoxy coating and flooring system is required. It can be installed as a stand alone broadcast system or by using rubber granules for mechanical equipment rooms (MER) as well as for decks.

BENEFITS

- Stain Resistant
- Easy to Clean
- Good Color Stability
- Durable
- Low Viscosity

ADVANTAGES

- Meets or Exceeds USDA, FDA, OSHA and LEEDS Requirements
- Bridges Hairline Cracks
- Bridges Non-moving Filled Control Joints
- Suppresses Reflective Cracking in Overlays caused by Thermal and Seismic Movement
- Solventless, Zero V.O.C.
- Fluid and Waterproofing Membrane
- Flexible, Even at Low Temperatures
- Durable and Long Lasting
- Can be Fiberglass Reinforced
- Resistant to Algae, Bacteria, Fungi, Mildew & Mold (does not promote their growth)

TYPICAL USES

- Laboratories
- Decks
- Garages
- Walkways
- Pharmaceutical Plants
- Hospitals
- Laundries
- Kennels
- Bottling Plants
- Mechanical Equipment Rooms

TYPICAL PHYSICAL PROPERTIES

Physical Property	Test Method	Result
Elongation	ASTM D 412	150%
Bond Strength To Concrete	ASTM D 4541	>400 psi
Impact Strength	MIL D 3134	Passing
	No Chipping, Cracking or Delaminating	
Hardness	ASTM D 2240 Shore A	90
Electrical Conductivity		Non-Conductive
Coefficient of Friction Smooth	ASTM D 2047	0.7
Water Absorption, max	ASTM D 570	0.2%
Flammability	ASTM D 635	Self Extinguishing
Flame Spread NFPA-101	ASTM E 84	Class B
Anti-Microbial Resistance	ASTM G 21	Passes
Toxicity		Non-Toxic USDA Approved
VOC Content		Zero

(Note: Pot Life is shorter at higher temperatures. Do not use below 55°F or above 95°F.)

SLIP RESISTANCE & CLEANABILITY

Normally, the smoother the finished surface, the easier the coating or flooring system is to clean. The more aggressive or textured flooring system will offer a greater degree of skid inhibition, but is usually more difficult to clean.

CLEANING AND DISINFECTING

Cleaning and disinfecting compounds and cleaning techniques may affect the color, the gloss, or texture of a polymer coating or flooring system. As a precautionary step, Hallemite recommends that the end user test the cleaning and disinfecting compounds on a sample or small finished area utilizing the intended cleaning technique prior to cleaning the entire surface area.

If no deleterious effects are observed, the procedure can be continued. However, if the cleaning and disinfecting compounds or cleaning technique damage the color, the gloss, or texture, modification of the materials and/or procedures are required. For more information contact the Hallemite's Technical Service Department or refer to Hallemite's Maintenance Guideline for Epoxy Flooring Systems.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound and dry. Please refer to the master "Guideline Instructions for Concrete Substrate Surface Preparation" for more information.

APPLICATION METHOD/SPREAD RATE

Apply with a roller, squeegee or trowel. See installation instruction sheets for a complete guideline.

CONCRETE MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of polymer systems to ensure a long lasting, durable installation. Please refer to the master "Guideline Instructions for Concrete Substrate Surface Preparation – Appendix B" for more information.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound and dry.

GUIDELINE SPECIFICATIONS

Refer to the master "Specifiers Guide" for a three part specifier's guideline.

DRAWINGS AND DETAILS

Standard engineered drawings and details are available for drains, coves, transitions, etc. Please refer to the "Useful Information" section of the Hallemite product book for actual drawings.

PACKAGING

- 1 Gallon Cans, 5 Gallon Pails and 55 Gallon Drums

CAUTION

Follow the SDS for proper personal protective equipment to use when handling the product. Use only as directed. **KEEP OUT OF REACH OF CHILDREN.**

HEF – FM/01

LIMITED WARRANTY (abridged)

Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of the system or product. No express warranty is made by the seller or manufacturer with respect to the results of any use of the product. NO IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY, OR AN IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE MADE WITH RESPECT TO THIS SYSTEM or PRODUCT. Neither seller nor manufacturer assumes any liability for personal injury, loss, or damage resulting from the use of this product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon written request of buyer, replace any quantity of the system or product which is proven to be defective, or shall, at its option, refund the purchase price for the system or product upon return of the system or product.

(See Hallemite Price Schedule for full limited warranty)

SPECIAL NOTE: The Company reserves the right to alter or discontinue the system/product described herein at any time without prior notice.