

HEF ELASTO-FLEX

Flexible Epoxy Membrane

PRODUCT DESCRIPTION

HEF Elasto-Flex is a unique formulated copolymer surfacing that offers excellent flexibility at low temperatures while maintaining good strength, modulus, and tear resistance. It is a two part, 100% solids (no solvent epoxy resin/hardener) allows a 1:1 formulation/mix ratio. Its resilient nature makes it suitable for flexible flooring joint sealants, crack bridging and secondary containment membranes.

USES

HEF Elasto-Flex is ideal for coating floors in mechanical equipment rooms, laboratories and other areas that are exposed to unusual abuse such as vibration. It has excellent crack bridging and is used as a waterproofing membrane on floors in above grade levels to prevent intrusion of liquids to areas below.

ADVANTAGES

- Meets or Exceeds USDA, FDA and OSHA 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 (20°F)
- Durable and Long Lasting
- Resistant to Algae, Bacteria, Fungi, Mildew & Mold (*does not promote their growth*)

PRODUCT INFORMATION

Mix Ratio	A:B	1:1
Viscosity	Mixed	100 – 400 cps
Mixed Solids	Weight % minimum	50
Potlife		0 – 40 minutes
Tack Free Time		6 – 8 hours
Packaging	Unit Sizes	2 Gal Kit (1A:1B) 10 Gal Kit (5A:5B)
Storage Temperature		55°F to 90°F
Shelf Life Unopened Containers		1 Year From Mfg Date
VOC		Zero

TYPICAL PHYSICAL PROPERTIES

@ 75°F (23°C)

Physical Properties	Test Method	Result
Tensile Strength, (Resin) min.	ASTM D 638	<1,000 psi
Tensile Elongation, %	ASTM D 638	>50
Bond Strength, min.	ASTM D 4541	>400 psi
Impact Strength, Passing	MIL D 3134	No Chipping, Cracking or Delaminating
Hardness (Resin)	ASTM D 2240 SHORE D	35-40
Water Absorption, max.	ASTM D 570	0.2%
Flammability	ASTM D 635	Self Extinguishing
Antimicrobial Resistance	ASTM G 21	Passes

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, grease, oil, rust and other contaminates), sound and durable. New concrete must be fully cured (28 days minimum) and all laitance and curing compounds removed. Suitable preparation methods include gritblasting, scarification and acid etching. The recommended minimum pull-off strength of the prepared substrate is 200 psi.

SLIP RESISTANCE & CLEANABILITY

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

CLEANING AND DISINFECTING

Cleaning and disinfecting compounds and cleaning techniques may affect the color, 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, gloss, or texture, modification of the materials and/or procedures are required.

Contact the Company's Technical Service Department for more information.

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.

QUESTIONS?

For questions on product availability or to obtain installation instructions, contact the RBC Industries, Hallemite Products Sales Department.

KEEP OUT OF REACH OF CHILDREN BEFORE AND DURING PLACEMENT