

HEF EPOXY

Clear or Pigmented

PRODUCT DESCRIPTION

HEF Epoxy is an all purpose, seamfree, 100% solids epoxy. It can be used as a coating or when combined with colored colorquartz aggregate it provides a decorative and skid-resistant surface.

HEF Epoxy is designed for indoors in commercial, industrial and institutional environments where a durable and moderately chemical resistant floor is desired. It is ideal for labs, kitchens, locker rooms and shower rooms.

For a higher chemical resistance floor see Hallemitte HEF CRD Novolac Chemical and High Temperature Resistant Epoxy Systems.

ADVANTAGES

- Economical
- Resistant to Algae, Fungi, Mildew & Mold (does not promote bacterial growth)
- Durable and Long Lasting
- Resistant to Mechanical Wear
- Resistant to Chemical Attack and Etching
- Coatings / Clear or Pigmented
- Slurry/Broadcast
- Self Level
- Mortar
- Patching
- Resistant to UV Degradation, but will amber

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, grease, oil, rust and other contaminants) , 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.

PRODUCT INFORMATION

Mix Ratio	A:B	2:1
Color	Resin	Clear Pale or Pigmented
	Hardener	Clear
Viscosity	Mixed	450 cps
Potlife		30 Minutes
Tack Free Time	@77°F	5 Hours
Packaging	Unit Sizes	3 Gal Kit (2A:1B)
		15 Gal Kit (10A:5B)
Storage Temperature		55°F to 90°F
Shelf Life		1 Year
Unopened Containers		From Mfg Date
VOC		Zero

CHEMICAL RESISTANCE

Chemical Resistance Immersion 7 Day
ASTM D 1308
(See Hallemitte Chemical Resistance Guide)

SOUND and DURABLE CONCRETE

Sound and durable concrete should be crack free and have a cap pull-off strength of 180 psi, per ACI 503 R.

CRACKED CONCRETE

Repair cracked concrete with Hallemitte 120 Non-Sag Epoxy Paste Adhesive per the manufacturer's recommendations.

NOTE: Primer recommended on concrete to avoid "out-gassing" (air bubbles) related problems associated with porous concrete.

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.

TYPICAL PHYSICAL PROPERTIES

@ 75°F (23°C)

Physical Properties	Test Method	Result
Tensile Strength, (Resin) min.	ASTM D 638	5,000 psi
	ASTM D 307	2,000 psi
Compressive Strength	ASTM D 695	17,000 psi
	ASTM C 579	9,500 psi
Bond Strength	ASTM D 4541	>400 psi
Impact Strength	MIL D 3134	No Chipping, Cracking or Delaminating
Hardness (Resin)	ASTM D 2240 Shore D	70 -80
Flexural Strength	ASTM D 790	4,000 psi
Abrasion Resistance	ASTM D 4060 Taber Abrader C 17 1,000 gram load, 1000 cycles	0.15 gr
Water Absorption, max.	ASTM D 570	0.2%
Flammability	ASTM D 635	Self Extinguishing
Antimicrobial Resistance	ASTM G 21	Passes

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