

# HEF CRA EPOXY NOVALAC

## Clear or Pigmented

### PRODUCT DESCRIPTION

HEF CRA Epoxy Novolac is a 100% solids, solventless, high build two part epoxy. It is Chemical Resistant and High Temperature Resistant. It can be used as a coating or when combined with colored colorquartz aggregate it provides a decorative and skid-resistant surface. It enhances the appearance of the floor substrate while making the surface easy-to-clean.

HEF CRA Epoxy Novolac is designed for commercial, industrial and institutional environments where a long lasting, chemical and heat resistant floor is desired.

HEF CRA Epoxy Novolac is a proprietary formula developed by RBC Industries and marketed exclusively through Hallemite's network of quality specialty flooring and wall coating contractors.

### ADVANTAGES

- Meets or Exceeds USDA, FDA and OSHA Requirements
- Resistant to UV Degradation
- Resistant to Algae, Fungi, Mildew & Mold (does not promote bacterial growth)
- Resistant to Mechanical Wear
- Resistant to Chemical Attack and Etching
- Heat Resistant Exposure  
Continuous @ 200°F  
Intermittent @ 300°F
- Coatings / Clear or Pigmented
- Slurry/Broadcast
- Mortar

### CHEMICAL RESISTANCE

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

### PRODUCT INFORMATION

Mix Ratio	A:B	4:1
Viscosity, mixed	Clear	4,800 – 6,500 cps
	Pigmented	5,000 – 9,000 cps
Potlife	@ 77° F	8 – 10 Minutes
Packaging	Unit Sizes	5 Gal Kit (4A:1B)
		20 Gal Kit (16A:4B)
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	ASTM D 638	6,000 psi
	ASTM D 307	2,200 psi
Compressive Strength	ASTM D 695	14,400 psi
	ASTM C 579	12,500 psi
Bond Strength	ASTM D 4541	>400 psi
Flexural Strength	ASTM D 790	4,500 psi
Impact Strength	MIL D 3134 No Chipping, Cracking or Delaminating	Passing
Hardness (Resin)	ASTM D 2240 Shore D	85 – 90
Abrasion Resistance	ASTM D 4060 Taber Abrader C 17 1000 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

## **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.

## **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 Hallemite 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.

## **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**