

# HEF UV WATER CLEAR EPOXY

## PRODUCT DESCRIPTION

HEF UV Water Clear Light Stable and Chemical Resistant Clear Epoxy is a 100% solids, solventless, high build two part epoxy coating. It is designed to enhance the appearance of the floor substrate while making the surface easy-to-clean.

HEF UV Water Clear is designed for indoors in commercial, industrial and institutional environments where an UV Light Stable clear chemical resistant floor is desired. It is not intended for exterior use.

HEF UV Water Clear is a proprietary formula developed by RBC Industries and marketed exclusively through Hallemitte's network of quality specialty flooring and wall coating contractors.

HEF UV Water Clear is a State-of-the-Art Technology that was developed to provide competitively priced flooring and wall coating materials that are five to ten times as UV stable at the same priced competitive products. In addition to superior UV Light Stability, HEF UV has superior chemical resistance.

HEF UV Water Clear can be used as a through product (primer to topcoat) in a number of Hallemitte Product Line Systems, including floor coating, broadcast, slurry, mortar, terrazzo and wall coatings.

## ADVANTAGES

- Meets or Exceeds USDA, FDA and OSHA Requirements
- Resistant to UV Degradation
- Surface Texture, Smooth to Aggressive
- Resistant to Algae, Fungi, Mildew & Mold (does not promote bacterial growth)
- Resistant to Mechanical Wear
- Resistant to Chemical Attack and Etching
- Coatings
- Slurry/Broadcast
- Self Level
- Mortar
- Terrazzo

## TYPICAL PHYSICAL PROPERTIES

Tensile Strength, ASTM D 638	5,000 psi
ASTM C 307	2,000 psi
Compressive Strength, ASTM D 695	17,520 psi
ASTM C 579	12,900 psi
Bond Strength, ASTM D 4541	>400 psi
Impact Strength, Passing MIL D 3134	No Chipping, Cracking or Delaminating
Hardness (Resin) ASTM D 2240 Shore D	75 - 80
Flexural Strength ASTM D 790	4,000 psi
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
Yellow Index ASTM D 1925	<15 @ 1925 Hours
Anti-Microbial Resistance ASTM G 21	Passes

## CHEMICAL RESISTANCE

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

## 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.

## MIXING INSTRUCTIONS:

Mix 2 Parts A to 1 Part B with Jiffy Mixer for 3 Minutes.

Mix Ratio: 2A:1B  
Pot Life: 45 minutes  
Tack Free Time: 5-6 hours  
Full Cure: 3 days

## 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