

HEF – WC (WALL COATING)
PIGMENTED WALL and CEILING COATING SYSTEM
Architectural Colored Epoxy Wall and Ceiling Coating System

PRODUCT DESCRIPTION

HEF - WC (Wall Coating) Pigmented Epoxy Wall and Ceiling Coating System is a solventless, 100% solids, two component epoxy coating system. It is available in 16 standard colors, as well as, an infinite number of custom colors.

HEF - WC is an epoxy wall and ceiling coating system that is designed for use in pharmaceuticals, healthcare facilities, cosmetic and clean-room environments, such as Class 10 to Class 1000 performance areas. It is ideal for most commercial and institutional environments, where a durable seamless, easily cleanable coating is desired.

HEF - WC Wall and Ceiling Coating System can be used with a number of Hallemitte Epoxy Flooring Systems to provide a complementary, durable wall and ceiling system.

TYPICAL USES

- Laboratories
- Kitchens
- Food Preparation Areas
- Locker and Shower Rooms
- Restrooms
- Pharmaceutical Plants
- Clean Rooms
- Hospitals
- Kennels
- Bottling Plants

ADVANTAGES

- Meets or Exceeds USDA, FDA, OSHA and LEEDS Requirements
- Easily Cleaned and Decontaminated
- Available in Standard and Custom Colors
- Texture can be Smooth or Slight Orange Peel Finish
- Resistant to Mold, Mildew and Fungi
(does not promote bacterial growth)
- Resistant to Chemical Attack and Etching
- Resistant to Abrasion
- Can be Fiberglass Reinforced
- Resistant to UV Degradation

BENEFITS

- Stain Resistant
- Easy to Clean
- Good Color Stability
- Durable
- Fiberglass Cloth can be added as a Laminate for Extra Tensile Strength

CHEMICAL RESISTANT LEVELS

• **Level I** “HEF UV Pigmented”

Provides good chemical resistance in environments where there is a limited chemical exposure to chemicals such as:

Anti-Freeze (Propylene Glycol)
Kerosene
Sodium Hydroxide @ 50%
Urine

• **Level II** “HEF CRD Pigmented”

Provides increased chemical resistance in environments where upgraded chemical resistance is needed for exposure to chemicals such as:

Acetic Acid 10%
Formaldehyde 37%
Phosphoric Acid
Tannic Acid

• **Level III** “HEF CRA Pigmented”

Provides maximum chemical resistance in environments where there is extreme chemical exposure to chemicals such as:

Ammonium Hydroxide 30%
Chromic Acid 25%
Nitric Acid 65%
Sulfuric Acid 98%

Chemical Resistant Levels Note: See Hallemitte Chemical Resistance Guide for a complete list of products and their designated chemical exposure information.

TYPICAL PHYSICAL PROPERTIES

Physical Property	Test Method	Result
Tensile Strength	ASTM D 638	4,000 psi
Tensile Strength	ASTM C 307	1,800 psi
Compressive Strength	ASTM D 695	16,500 psi
Compressive Strength	ASTM D 579	10,500 psi
Bond Strength To Concrete	ASTM D 4541	>400 psi
Impact Strength	MIL D 3134	Passing
Hardness	ASTM D 2240 Shore D	75 – 80
Elevated Temperature	MIL D 3134	No Slip or Flow
Electrical Conductivity		Non-Conductive
Flexural Strength	ASTM D 790	4,000 psi
Linear Expansion	ASTM D 696	2×10^{-5}
Indentation	MIL D 3134	.025 Max
Abrasion Resistance	ASTM D 4060 Tabor Abrader C 17 1000 Gram Load, 1000 Cycles	0.15 gr
Coefficient of Friction Smooth	ASTM D 2047	0.7
Water Absorption, max	ASTM D 570	0.04%
Flammability	ASTM D 635	Self Extinguishing
Flame Spread NFPA-101	ASTM E 84	Class B
Anti-Microbial Resistance	ASTM G 21	Passes
Yellow Index	ASTM D 1925	<15 @ 2,000 hours
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.

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.

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. 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 and 5 Gallon Pails

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.**

HEW – WC/01