

Data Sheet HEF – PC



# HEF – PC (PIGMENTED COATING) PIGMENTED EPOXY FLOOR COATING SYSTEM (8-20 Mils) Chemical Resistant Epoxy Floor Coating System

# **PRODUCT DESCRIPTION**

HEF - PC (Pigmented Coating) Epoxy Flooring System is a chemical resistant, 100% solids, solventless, high build two part epoxy coating. It is designed to enhance the appearance and protect concrete. The Coating is installed at a nominal thickness of 8 to 20 mils.

HEF - PC System is available in 16 Standard Colors, as well as, an infinite number of custom colors. This flooring system is designed to be used in commercial, industrial and institutional environments, where a chemical resistant, solid color floor or accent strips is desired.

# TYPICAL USES

- Airplane Hangars
- Laboratories
- Garages
- Pharmaceutical Plants
- Clean Rooms
- Hospitals
- Laundries
- Kennels
- Bottling Plants
- Warehouses

# **ADVANTAGES**

- Meets or Exceeds USDA, FDA, OSHA and LEEDS Requirements
- Superior Resistance to Chemical Attack and Etching
- Available in Standard and Custom Colors
- Epo-Chips can be Randomly Sprinkled into the Coating for a Decorative Unique Look
- Quick Installation
- Durable and Long Lasting
- Texture can be Smooth to Slight Orange Peel and Non-Skid
- Resistant to Algae, Fungi, Mildew & Mold (does not promote bacterial growth)
- Resistant to UV Degradation
- Heat Resistant Exposure Continuous @ 120°F Intermittent @ 300°F Dependant on Product Choice

# **BENEFITS**

- Stain Resistant
- Easy to Clean
- Good Color Stability
- Durable
- Low Viscosity

# CHEMICAL RESISTANT LEVELS

## • <u>Level I</u> "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 Hallemite Chemical Resistance Guide for a complete list of products and their designated chemical exposure information.

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# **TYPICAL PHYSICAL PROPERTIES**

Physical PropertyTest MethodResultTensile StrengthASTM D 6386,000 psiTensile StrengthASTM C 3072,200 psiCompressive StrengthASTM D 69516,500 psiCompressive StrengthASTM D 57910,500 psiBond StrengthASTM D 4541>400 psiTo ConcreteASTM D 13341,050 psiShear from Steel PlateMIL D 31341,050 psiImpact StrengthMIL D 3134PassingNo Chipping, Cracking or DelaminatingASTM D 2240HardnessASTM D 2240Shore D75 - 85Elevated TemperatureMIL D 3134No Slip or FlowElectrical ConductivityNon-ConductiveFlexural StrengthASTM D 7905.5 x 10 <sup>5</sup> Linear ExpansionASTM D 6962 x 10 <sup>-5</sup> IndentationMIL D 3134.025 MaxAbrasion ResistanceCS 17 WheelGM Load 1000 CycleSelfFlammabilityASTM D 5700.04%FlammabilityASTM D 635SelfFlambilityASTM D 635SelfFlambilityASTM D 635SelfFlambabilityASTM D 1925<15 @ 2,000Yellow IndexASTM D 1925<15 @ 2,000Yellow IndexASTM D 1925<15 @ 2,000You ContextXon-ToxicYou Approved			-
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Toxicity USDA Approved			hours
USDA Approved	•		Non-Toxic
VOC Content 7			USDA Approved
voc content Zero	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)

### 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, squeegee or trowel. 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  $55^{\circ}F$  and  $95^{\circ}F$ . 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.

#### **HEF – PC/01**

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.