

**HEF – BA (BLACK AMAZITE)**  
**1/8 – >1 INCH MORTAR and SLURRY SYSTEM**  
*Coal Tar Resin & Aggregate Flooring System*

**PRODUCT DESCRIPTION**

HEF - BA (Black Amazite) 1/8 – >1 Inch Mortar and Slurry System is a 100% solids epoxy resin and aggregate flooring system which is installed at a minimum thickness of 1/8 Inch – >1 Inch.

HEF - BA is a two-component surfacing system that is one of the performance-proven workhorses of the Hallemite line. It is ideal for heavy-duty industrial resurfacing and new construction where a decorative appearance is not required and is especially suitable for areas subject to steel-wheeled traffic. Black Amazite provides excellent anti-slip characteristics, long wear and good chemical resistance. It requires no topcoat, is easy to trowel and is self-leveling. Hallemite's Black Amazite System is a truly economical, long-lasting surfacing system. It outwears concrete 3:1 and meets or exceeds FDA, USDA and OSHA standards for non-slip surfaces.

HEF - BA is a durable and moderately chemical resistant flooring system. This industrial flooring system is ideal for most medium and heavy duty industrial installations where a durable, seamless, chemical resistant system is required.

**SERVICE LEVEL REQUIREMENTS**

- **Level I**                      1/8" Thickness
- **Level II**                     1/4" Thickness

**ADVANTAGES**

- Meets or Exceeds USDA, FDA, OSHA and LEEDS Requirements
- Bonds to Asphalt
- Ideal for Leveling and Sloping
- Can be Installed 1/8" to 1" Thick
- Resistant to Algae, Fungi, Mildew & Mold  
(does not promote bacterial growth)
- Resistant to Mechanical Wear
- Durable and Long Lasting
- Restores Old Floors
- Protects New Floors
- Slip Resistant

**BENEFITS**

- Bonds to Asphalt
- Stain Resistant
- Easy to Clean
- Durable
- Low Viscosity
- Installed as a Slurry Broadcast or an Epoxy Mortar System

**TYPICAL USES**

- Textile Plants
- Indoor Parking Structures
- Warehouses
- Animal Breeding and Holding Areas
- Loading Docks
- Bottling Plants
- Manufacturing Plants
- Industrial Plants
- Steel Wheel Areas
- Stairs and Ramps
- Halls
- Corridors
- Traffic Aisles Ways
- Garages

**BLACK AMAZITE SYSTEM**

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

Citric Acid 10%  
Hydrochloric Acid 37%  
Hydrogen Peroxide 28%  
Nitric Acid 40%  
Oleic Acid  
Sodium Hydroxide

*Chemical Resistant Levels Note: See Hallemite 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	450 psi
Compressive Strength	ASTM D 695	7,000 psi
Compressive Strength	ASTM D 579	6,000 psi
Bond Strength, min To Concrete	ASTM D 4541	>400 psi
Impact Strength	MIL D 3134 No Chipping, Cracking or Delaminating	Passing
Hardness	ASTM D 2240 Shore D	75 - 85
Hardness, Aggregate	MOH'S Mineral Scale	6.5 – 7.0
Electrical Conductivity		Non-Conductive
Flexural Strength, min	ASTM C580	2,080 psi
Indentation	MIL D 3134	.025 Max
Abrasion Resistance	ASTM D 4060 Taber 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	0.3%
Flammability	ASTM D 635	Self Extinguishing
Flame Spread NFPA-101	ASTM E 84	Class B
Anti-Microbial Resistance	ASTM G 21	Passes
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.

## 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.

## PACKAGING

- 1 Gallon Cans, 5 Gallon Pails and 55 Gallon Drums

## 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.

## 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 – BA/02

### 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.