DESCRIPTION
Puma-Crete HFB® is a heavy duty floor, available in several textures. It is a very low odor, easy-to-clean, troweled urethane mortar floor, designed to provide excellent resistance to abrasion, chemical attack and other physical aggression. It is designed for manufacturing facilities, especially food & beverage processing. Features include resistance to heavy traffic, chemicals and wet conditions, and maintains a slip resistant finish.

COMPOSITION
Water dispersed polyurethane resin system combined with graded silica aggregates, and polymeric resin top coat.

APPEARANCE
Medium to high gloss finishes available. Surface is easy-to-clean. Textures available include: smooth, orange peel, light, medium, or rough* requires scrub brushes or high pressure water wash. Meets ADA Standard: Coefficient of Friction (.6)

DURABILITY
Resistant to impact, abrasion, and heavy loading from fork trucks, pallet jacks and carts, commonly found in industrial facilities. Withstands thermal shock and cycling, including live steam, hot washdowns, and the surface does not support the growth of bacteria.

WATER AND MOISTURE TOLERANCE
Handles up to 15 lbs of water vapor transmission and over 97% concrete internal RH. The flooring functions as a vapor mitigation topping system.

THICKNESS
Typical 1/4 inch (6 mm)

SUBSTRATES
Concrete, structurally sound toppings including ceramic, quarry tile, brick, polymer modified screeds.

SURFACE PREPARATION
To be assured of maximum adhesion and properties from E P Floors’ flooring products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation".

FOOD SAFETY CERTIFICATION
Puma-Crete® systems are certified and warranted by EPF to meet minimum standards for USDA, SQF, IFS, FSSC22000, and BRC inspections/standards.

APPLICATION CONDITIONS
60-85°F (16°-29°C) Best results are achieved at 70°F (21°C). For job site temperature below 60°F, or above 80°F, consult EPF for information on extending working time.

APPLICATION
Two coat system. Includes a 1/4 inch screeded, cementious urethane mortar, and a polymeric lock coat which provides easy to clean, medium to high gloss, attractive surface finish. Top Coat of 2 component polymeric, high gloss coating.

FINISH COAT / SEALER
Puma-Crete® Topcoat: This top coat provides enhanced gloss, cleanable and stain resistant surface. It is applied by squeegee and roller.

PACKAGING
Puma-Crete HFB® is manufactured in pre-measured, easy to use units.

TROWELED SCREED
Part A: 1 gal container resin liquid (3/4 gal)
Part B: 1 gal container hardener liquid (3/4 gal)
Part C: 1 bag aggregate (55 lb)
Broadcast Silica: 50 lb bag

FINISH COAT
Part A: 10 gal
Part B: 5 gal

COVERAGE RATES
1/4 inch one unit = 35 ft²
6mm one unit = 3.25 m²

MAINTENANCE
Regular cleaning of the applied system is recommended in order to maintain slip resistant properties and cosmetics. Normal cleaning agents (such as Simple Green) w/ standard auto floor scrubber. Note: brush or high pressure hose required for rough texture finish, if required.

CURE SCHEDULE (70 deg F)
Puma-Crete HFB®: 12 hours full foot traffic, 24 hrs full cure *

CHEMICAL RESISTANCE
Excellent resistances to organic and inorganic acids, alklis, fuel and hydraulic oils, aromatic and aliphatic solvents. Please refer to Puma-Crete HFB® chemical resistance guide.

COLORS AVAILABLE
Standard colors are: Red and Gray Premium colors available, upon request.

TECHNICAL DATA
Compressive strength: ASTM C579 8,820 psi
Tensile strength: ASTM C307 4,785 psi
Flexural strength: ASTM D790 9,840 psi
Shear Strength: ASTM D732 4,965 psi
Abrasion resistance ASTM C779 (method A) .020 in @ 60 min

HEALTH AND SAFETY
This is a water based and 0 gram VOC/Liter product system. Please read the material safety data sheets, for further detailed information on safe handling and use of this product.

SHELF LIFE: 1 year from date of manufacture (un-opened).

TECHNICAL ADVICE
For further information on this or any other Puma-Crete® product, please contact our Customer Care Department at 1.800.808.7773 USA. Outside USA: 1.413.283.5164

CONDITIONS OF USAGE:
Installation of all products purchased must be by professional installers periodically published by EPF or otherwise approved by EPF in writing. Modification to any of EPF’s products voids the warranty. The installer shall maintain a written contemporaneous record of field conditions (including, without limitation, surface and atmospheric conditions, usage rates, and lot numbers of products installed). EPF reserves the right of inspection of any installed product, installation and maintenance records and records of field conditions and may conduct additional testing as is reasonably required to investigate any warranty claims. Warranty shall only apply for products or materials that have been paid for full. This writing constitutes the sole and only agreement of warranty relating to EPF products.