

ConFloor PU HF

Polyurethane Colored Mortar
Screed for Industrial Floors

DESCRIPTION

ConFloor PU HF is a four component, polyurethane mortar screed for industrial floors. This system offers high resistance against impact, thermal shock, abrasion and chemicals for industrial & commercial environments.

ConFloor PU HF is as a colored mortar flooring system for industrial floors with high mechanical and hygienic, antibacterial, antimicrobial demands. **ConFloor PU HF** floors exhibit excellent properties, good wear resistance and an out-standing resistance to chemicals.

USES

ConFloor PU HF is suitable for:

- Commercial & Industrial Floor Surfaces
- Food & Beverage Industry
- Warehousing & Storage
- Meat, Poultry and Fish Processing Plants.
- Dry Processing Plants
- Milk & Dairy Industry
- Tobacco Processing Plants
- Chemical Production Plants
- Battery Plants
- Textile Processing Plants
- Hotel & Bakery Industry Kitchens
- Pharmaceutical Production Plants
- Hospitals
- Airplane Hangers

ADVANTAGES

- Short curing time. Foot traffic permitted after 12 hours and vehicles after 24 hrs.
- Excellent mechanical properties
- High impact and abrasion resistant
- Resistant to thermal shock
- Resistance to steam & hot water cleaning
- Good resistant to wide range of chemicals.

TECHNICAL SPECS

Appearance	Four Component PU Flooring A = Base B = Hardener C = Aggregate D = Color Pack
Packing	31.24 Kg. Kgs. (4 Components)
Solid Content	99%
Density	2.2 g/cm ³ @ 20 ^o C
Standard colors available	Grey, Green, Yellow & Brik Red,
Shelf Life	12 Months, stored in covered area at 10 ^o -35 ^o C.

APPLICATION INSTRUCTIONS

Surface Preparations:

ConFloor PU HF is applied onto a substrate primed with its scratch coat.

The substrate must be clean and free of dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.

Thoroughly prepared floor surface helps to achieve the necessary adhesive bond between the substrate and the new floor. All existing expansion and construction joints should be cleaned and prepared. Whole floor surface

should be scarified or sand blasted. Groove cutting should be done for better anchoring of the PU material in the floor.

Mixing:

ConFloor PU HF is supplied in proportionate 4-component containers. Only full containers may be mixed. 1st of all add component A, in a mixing bucket. After stirring the A-component add component D and then B component is added and mixed for about 20-25 seconds using an electric stirrer (spiral stirrer). After adding the aggregate, component C, the mixture is stirred homogeneously for 1.5–2 minutes depending on ambient temperature.

Scratch Coat:

(Priming of Porous Substrates):

The product is poured onto the properly prepared, vacuum shot blasted substrate and spread across the floor with a trowel.

Flooring:

The product is poured onto the substrate and spread to a layer thickness of about 4–6 mm with a trowel. Immediately following application, the flooring must be vented with a spiked roller. In order to avoid edges forming, adjoining areas must be laid within 10 minutes.

PACKAGING

ConFloor PU HF is supplied in 31.24 Kgs. Packing.

COVERAGE

Coverage 2.2 Kgs. Per M² /- mm thickness.

STORAGE

ConFloor PU HF has a shelf life of 12 months. Its PU based resin must be stored in the original unopened containers at 5^o C-30^o C.

PHYSICAL PROPERTIES WHEN CURED

Permeability:	0% Absorption
Temperature Resistance	Resistant to liquid spillage and discharge up to 70 ^o -90 ^o C at 6 mm thickness 90 ^o - 110 ^o C at 9 mm thickness Appropriate for Freezer temperatures down to -15 ^o C
Chemicals Resistance	Excellent resistant to wide range of dilute and concentrated acids & alkalis.
Oil Resistance	Resistant to kerosene & break fluids.
Fat Resistance	Resistant to vegetable oils, animal fats, & sugar etc.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5^o C or greater than 35^o C are encountered, contact our Technical Staff for specific advice. **ConFloor PU HF** is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy/PU resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs, seek medical advice before continuing use.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.