REF : PRHB 2025/01

# Resin Paint HB FC (Fast Cure)

**DESCRIPTION**

Resin Paint HB Fast Cure is a two-pack solvent-free high-build epoxy resin system for application as a heavy duty floor coating at a thickness from 250 to 500 microns. The coating will provide a hard wearing Gloss coloured finish to which anti-slip aggregate can be added if required. Applied by roller and paint brush the product is low odour, solvent free, producing a seamless, hard wearing , hygienic floor finish.

**ADVANTAGES**

- High-build finish
- Solvent free
- Hygienic and easily cleaned
- Good colour stability
- Excellent slip resistance with the inclusion of selected aggregates
- Excellent high gloss finish
- Available in a wide range of colours

**RECOMMENDED USES**

- Food processing and beverage areas
- Chemical plant rooms
- Engineering workshops
- Automotive & aviation areas
- Factory units
- Warehouses
- Excellent for all demarcation and walkways

**PRODUCT INFORMATION**

| System thickness (dry) | Solids content by weight | Pack sizes | Pack make up | Shelf life | Storage |
|---|---|---|---|---|---|
| 250-300 microns (per coat) | 100 % | 5 kg. & 10 kg. | 1 X Base 1 X Hardener | 12 Months (Base & Hardener) | Keep out of direct sunlight. Store in a dry place, not below 15$^{o}$C |

**DRYING TIMES & COVERAGE RATES at 20$^{o}$C**

| Coverage rate | Pot life | Recoat time | Light traffic | Full traffic | Full chemical cure |
|---|---|---|---|---|---|
| 5 Kg. will cover 20 m$^2$ @ 200 microns thickness | 15 Minutes from mixing | 6 hours or once surface has lost tackiness | 12 -16 Hours | 24 Hours | Up to 5 Days |

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## Specification

Product : Resin Paint HB FC

Finish : Gloss Finish

Thickness : 200-300 microns

Colour : See Resin Paint Colour Chart

## Products required for this system

Prime : Resin Paint WB or Resin Paint Primer WB if required

System : two coats Resin Paint HB FC at required thickness

Surface Seal : Not required

## Preparation

**New Concrete Floors:** New concrete must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm$^2$ is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Local repairs should be carried out using **Resin Paint Concrete Repair**

**Resin Paint HB FC** can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

## Priming

Open, porous substrates may require priming with **Resin Paint WB or Resin Paint Primer WB.**

If the substrate appears very weak and dusts easily the matrix of the screed can be strengthened by installing **Resin Paint Binder** a low viscosity binder formulated for defective substrates. (Contact Resin Paint for further information).

If substrates do have moisture levels above 75% RH prime the surface with **Resin Paint Primer DPM** (number of coats dependent on moisture content).

## Application

The ambient temperatures of the areas should not be allowed to fall below 10$^o$C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 5$^o$C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15$^o$C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

**Mixing:** Pre-mix the coloured base component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

The mixed unit should be applied immediately by roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Coverage rates will depend on profile and porosity of the substrate.

## Category Guide

FeRFA Category : 3

## Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

| | | |
|---|---|---|
| Slip Resistance | Dry | > 50 |
| | Wet | Please consult Resin Paint |
| Method BS7976 pt1-3 2002 | | |

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult Resin Paint.

| | |
|---|---|
| Abrasion Resistance | n/a |
| Method BS8204 /ASTM D4060 | |
| Temperature Resistance | Tolerant of temperatures up to 45$^o$C |
| Chemical Resistance | Good Chemical Resistance<br>Consult Resin Paint on specific materials |
| Compressive Strength | n/a |
| Flexural Strength | n/a |
| Tensile Strength | n/a |
| VOC | 197 g/l<br>Calculation based on a full mixed unit |
| Life Expectancy | 3-5 years plus<br>Subjected to Industrial Fork Lift Traffic<br>Resin Paint terms and conditions will apply |

## Maintenance and Cleaning

Resin Paint recommend that **Resin Paint HB FC** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **Industrial Floor Cleaner** or similar with dirty water being removed.
All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

## Health and Safety

**Resin Paint HB FC** is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the Resin Paint Limited or its agents is based on the information supplied by the purchaser. Resin Paint cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.

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