Resucoat™ HB

Revised 10/2017 Issue 1—REF : COHB

DESCRIPTION

Resucoat™ HB is a two-pack high performance floor coating based on solvent-free epoxy resin technology which is designed to provide a tough and durable floor protection finish in a variety of thicknesses and colours for a wide range of applications from domestic to heavy industrial performances. The coating will provide a smooth gloss finish to which anti-slip aggregate can be added if required. Resucoat HB is a low odour product which is easy to apply by roller and paint brush to create a seamless, hard wearing and 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

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 (DFT)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns	100 %	5 kg. & 15 kg.	1 X Base 1 X Hardener	12 Months (Base & Hardener)	Keep out of direct sunlight/store in a dry place between 15-30°C

APPLICATION INFORMATION at 20°C AND 40-60% RH

Coverage rate (theoretical)
5 Kg. will cover 17m^2 @ 200 microns thickness. Coverage rate is calculated based on the sealed and smooth surface and may vary based on the substrate roughness and other conditions.

Pot life
Approx. 25 Minutes from mixing, based on 5kg pack size.
The pot life may be shorter for larger pack sizes if the paint not used with in the pot life limit.
Note: *All mixed paint must be used within the pot life time limit. if the paint left in the container after mixing and not used, it may release hazard fumes due to exothermic reaction.*

Recoating intervals
6 hours or once surface has lost tackiness

Light traffic
12-16 hours

Full traffic
24-36 hours

Full chemical cure
7-10 Days
* Do not splash, Clean, wash or treat the Resin Flooring with water or any other chemicals until full cure achieved as it may affect the surface quality and performance.

Specification

Product : Resucoat HB

Finish : Smooth / Gloss

Recommended thickness range:
150 to 500 microns DFT per coat

Colour : See RSL/Sherwin-Williams Colour Chart

Products required for this system

Primer : Resuseal VF on dry substrates, or Use RS Dampshield FH on damp surfaces, where the moisture level is an issue.

System : Resucoat™ HB

Surface Seal : Not required

Preparation

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

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water.
Local repairs should be carried out using Resupatch repair system.

Existing Floors (previously coated)
All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. if the old resin flooring cannot be removed, then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with existing floor coating.

Where over-coating other systems such as epoxy coatings or screeds, as part of a specified composite system in the data sheets, please follow the recoat time as stated in the individual data sheets, the coating in each stage should be tack free, but not fully cured. If fully cured then mechanical preparation is required to ensure intercoat adhesion.

Timber Floors : Must be clean, sound, dry . Old clear varnish/ topcoat must be removed/sanded prior to application, as it may affect the inter- coat adhesion with Resucoat HB.

Where Resucoat HB is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

Priming

Open and porous substrates may require priming with Resuseal VF, also Resucoat HB may be used as primer on the dry substrates only with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH RS Dampshield FH should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

ERH%	Required Coating Thickness
75-85	1coat of R.S.DAMPSHIELD FH at 200 microns per coat
85-92	2coats of R.S.DAMPSHIELD FH at 200 microns per coat
92-97	3coats of R.S.DAMPSHIELD FH at 200 microns per coat

For Further information please refer to recommended individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 15°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 10°C. Where possible it is recommended that the application area is heated to a minimum temperature of 15°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 to three minutes 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 may vary depending 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
Method BS7976 pt1-3 2002	Wet	Please consult RSL

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 RSL.

Abrasion Resistance Method BS8204 /ASTM D4060	60mg / 1000 cycle
Temperature Resistance	Tolerant of temperatures up to 45°C
Chemical Resistance	Good Chemical Resistance Consult RSL on specific materials
VOC	186 g/l Calculation based on a full mixed unit
Life Expectancy	2-4 years depending on applied thickness and subjected to traffic according to FeRFA classification. RSL terms and conditions will apply.

Maintenance and Cleaning

Resucoat HB should be cleaned with a regular industrial cleaning regime after specified full chemical cure time limit.
with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover, R.S. Fats & Grease Remover** & **R.S. Oil Remover**.
All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Health and Safety

Resucoat HB 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.

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