



PROTECTIVE & MARINE COATINGS

Resuflor HB CC

PRODUCT TECHNICAL DATA

(Formerly known as Resucoat HB CC)

PRODUCT DESCRIPTION

Resuflor HB CC is a two-pack, faster curing high performance floor coating based on high solids epoxy resin technology designed to provide a tough and durable floor protection finish in a variety of thicknesses and colours for a wide range of applications. The coating will provide a smooth gloss finish to which anti-slip aggregate can be added if required. Resuflor HB CC is easy to apply by roller and paint brush to create a seamless, hard wearing and hygienic floor finish. Resuflor HB CC is suitable for application at lower temperatures as a cold cure material to ensure overnight curing where required.

ADVANTAGES

- High build finish
- High solids
- Fast cure at ambient temperatures
- Excellent high gloss finish
- Low odour
- Hygienic and easily cleaned
- Good colour stability
- Excellent slip resistance with the inclusion of aggregates

RECOMMENDED USE

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

PRODUCT DATA

Volume Solids:	~100%	<u>Application</u>			
VOC:	155 g/l calculated per full mixed unit		10°C @ 50% RH	20°C @ 50% RH	30°C @ 50% RH
Colours:	See Resuflor colour chart	Recoat Intervals	10 – 16 hrs*	6 – 8 hrs*	2 – 4 hrs*
Finish:	Smooth gloss	Light Traffic	24 – 36 hrs	16 – 24 hrs	8 – 16 hrs
Flash Point:	N/A	Full Traffic	36 – 72 hrs	24 – 36 hrs	16 – 24 hrs
Cleanser/Thinner:	Thinning not recommended	Full Chemical Cure	7–10 days	7 days	5-7 days
Pack Size:	5 kg and 15 kg	* or once surface has lost tackiness			
Pack Weights:	4.15 kg base/0.85 kg hardener (5 kg) 12.45 kg base/2.55 kg hardener (15 kg)	<u>Pot Life:</u>	15 – 20 minutes from mixing, based on 5 kg pack size		
Mixing Ratio:	5 parts base to 1 part hardener by weight only	<i>The pot life may be shorter for larger pack sizes if the product is not used within the pot life limit.</i>			
Mixed Density:	Approximately 1.48 g/cm ³	Note: All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.			
Shelf Life:	36 months (Base & Hardener)	<u>Coverage Rate:</u>	5 kg will cover 17 m ² @ 200 µm WFT		
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C	(Theoretical)			
Recommended Application Methods:	Brush, roller or squeegee	<i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>			
		<u>System Thickness:</u> (Recommended)	200 – 250 µm		
		<i>The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.</i>			



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SURFACE 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 25 N/mm² 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 making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resuflor Patch**.

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

RECOMMENDED SYSTEMS

Open and porous substrates should be primed with **Resuprime ST** on dry substrates only with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203.

Where the Relative Humidity of a substrate exceeds 85% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203:2017. The number of coats to be applied is chosen in accordance with the following table:

ERH%	Required Coating Thickness
75-85	1 coat of Resuprime MVT at 200 µm per coat
85-92	2 coats of Resuprime MVT at 200 µm per coat
92-97	3 coats of Resuprime MVT at 200 µm per coat

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

APPLICATION CONDITIONS

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 5°C, application on surfaces between 5°C and 10°C will extend the cure times listed overleaf. 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 the installation.

APPLICATION

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 are fully combined.

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

TECHNICAL INFORMATION

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

Category Guide:	FeRFA Category 3
Bond Strength:	>3 N/mm ² (Substrate failure)
Temperature Resistance:	Tolerant of temperatures up to 60°C

WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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