



Resubind CP

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DESCRIPTION

Resubind CP is a 3 component, non-pigmented, solvent-free polyurethane binder designed for car park decks, walkways and driveways. **Resubind CP** is designed for surface dressing with aggregates to create non-slip, hard wearing, textured floor finishes. Resubind CP systems can be used in interior or exterior car park decks on a variety of substrates to provide high wear resistant anti-slip finishes.

ADVANTAGES

- Excellent slip resistant finish
- Extremely hard wearing
- Different aggregates can be used to create various profiles
- High bond strength
- Will cure at temperatures down to 5°C
- Easy and fast to apply
- VOC Free

RECOMMENDED USES

- Intermediate Car Park Decks
- Top Car Park Decks
- Underground Car Park Decks
- Walkways around buildings and factories
- Theme Parks
- Public Pathways
- Public concourse areas
- Loading Bays
- Demarcation of non-slip areas

PRODUCT INFORMATION

System Thickness (Recommended)	500—1000 microns (on a sealed and smooth surface)
Solids Content by Weight	100% solids by weight
Pack Sizes	19.5 Kg
Pack Make Up	1 x Base 1 x Hardener 1 x 10 Kg Filler SL2 Aggregate
Shelf Life	36 months (Base) 12 months (Hardener) 36 months (Aggregate)
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C. Aggregates must be stored in a warm, dry place to avoid contamination with moisture which could adversely effect the finish.

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	19.5 Kg will cover 21 m ² at 500 microns thickness or 10.5 m ² at 1000 microns thickness. *Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life	10-15 Minutes
Recoating Intervals	6-8 hours
Light Traffic	6-8 hours
Full Traffic	16-24 hours
Full Chemical Cure	7 Days



Specification

Product : Resubind CP

Finish : Textured finish with broadcasted aggregate

Recommended thickness range: 500-600 microns

Colour : Natural

Products required for this system

Primer : Resuprime PU

System : Resubind CP

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/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 make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resupatch**.

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.

Priming

Open and porous substrates will require priming with **Resuprime PU** on dry substrates only with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield** 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
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75-85	1coat of R.S.DAMPSHIELD at 200 microns per coat
85-92	2coats of R.S.DAMPSHIELD at 200 microns per coat
92-97	3coats of R.S.DAMPSHIELD at 200 microns per coat

For further information please refer to individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 10°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. 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.

Pre-mix the base component to a uniform colour, then mix the entire contents of base with the hardener. If a separate mixing bucket is being used ensure all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately one to two minutes until the two components have fully combined then add the aggregate slowly. Mix for a further 1-2 minutes until the aggregate has fully combined and there are no lumps.

The mixed unit should be applied immediately with a squeegee or pin rake. This is best achieved by the application of smooth even pressure with the compound poured over the correct coverage rate after fixing the stop ends to control the flow of the material. Then roll the area with a spiked roller to achieve an even smooth surface and remove entrapped air. Do not re-roll the area later than 10 mins after application. The surface should then be dressed with the selected aggregate at a rate of approximately 2-3 Kg/m².

The surface should be protected from temperatures of less than 5°C and moisture in the early stages of cure. This could adversely affect the flow, levelling and surface finish of **Resubind CP**.

Category Guide

FeRFA Category : 4

Technical Information

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

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet Please consult Sherwin-Williams

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 Sherwin-Williams.

Temperature Resistance	Tolerant of temperatures up to 60°C
Chemical Resistance	Good Chemical Resistance Consult Sherwin-Williams on specific materials

VOC	<5 g/l Calculated per full mixed unit
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Maintenance and Cleaning

Resubind CP 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, Oils & Grease Remover** & **R.S. Oil Remover**.

All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the **Sherwin-Williams Guide to Cleaning of Resin Floors**

Health and Safety

Resubind CP 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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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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