



# PROTECTIVE & MARINE COATINGS

Revised 11/2021 Issue 3 – REF : GPCP

## Resubind CP PRODUCT TECHNICAL DATA

### PRODUCT 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 USE

- 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 DATA

<b>Volume Solids:</b>	~100%
<b>VOC:</b>	<5 g/l calculated per full mixed unit
<b>Colours:</b>	Amber resin
<b>Finish:</b>	Textured
<b>Flash Point:</b>	N/A
<b>Cleanser/Thinner:</b>	Thinning not recommended
<b>Pack Size:</b>	19.5 kg
<b>Pack Weights:</b>	6.91 kg base/2.65 kg hardener/ Filler SL2 (10kg) (19.5 kg)
<b>Mixing Ratio:</b>	2.6 parts base to 1 part hardener to 3.7 parts aggregate by weight only
<b>Mixed Density:</b>	Approximately 1.6 g/cm <sup>3</sup>
<b>Shelf Life:</b>	36 months (Base and Aggregate), 12 months (Hardener) when stored in unopened containers
<b>Storage:</b>	Keep out of direct sunlight. Store in a dry place, between 15°C – 20°C
<b>Recommended Application Methods:</b>	Squeegee, pin rake or trowel

#### Application at 20°C

Recoating Intervals: 6 – 8 hours or once surface has lost tackiness

Light Traffic: 6 – 8 hours

Full Traffic: 16 – 24 hours

Full Chemical Cure 7 days

**Pot Life:** 10 - 15minutes from mixing, based  
on 19.5 kg pack size

*The pot life may be shorter for larger pack sizes if the product is not used within the pot life limit.*

**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.

**Coverage Rate:** 19.5 kg will cover 21 m<sup>2</sup> @ 500 µm  
or 10 m<sup>2</sup> @ 1000 µm

*Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.*

**System Thickness:** 500 – 1000 µm  
**(Recommended)**

*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.*

### 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 25N/mm<sup>2</sup> is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease, old product 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 **Resufloor Patch**.

**Existing Floors (previously coated):** All previous coatings and loose floor products 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 **Resubind CP** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

PRIMING	APPLICATION CONDITIONS										
<p>Open and porous substrates will require priming with <b>Resuprime PU</b> on dry substrates only with less than 75% ERH reading.</p> <p>Where the Relative Humidity of a substrate exceeds 75% ERH please refer to the table below for required number of coats to achieve proper moisture tolerance.</p> <p><b>ERH% Required Coating Thickness</b></p> <table> <tr> <td>75-85</td><td>1 coat of Resuprime MVT at 200 µm per coat</td></tr> <tr> <td>85-92</td><td>2 coats of Resuprime MVT at 200 µm per coat</td></tr> <tr> <td>92-97</td><td>3 coats of Resuprime MVT at 200 µm per coat</td></tr> </table> <p>For further information please refer to recommended individual product data sheets.</p>	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	<p>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 the installation.</p> <p>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 <b>Resubind CP</b>.</p>				
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MIXING & APPLICATION	TECHNICAL INFORMATION										
<p>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/m<sup>2</sup>.</p> <p>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.</p>	<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <table> <tr> <td><b>Category Guide:</b></td><td>FerFA Category 4</td></tr> <tr> <td><b>Temperature Resistance:</b></td><td>Tolerant of temperatures up to 60°C</td></tr> <tr> <td><b>Abrasion Resistance:</b> (BS EN 13892-4:2002)</td><td>AR 0.5 (Less than 50 microns wear)</td></tr> <tr> <td><b>Bond Strength:</b> (BS EN 13892-8:2002)</td><td>&gt;3 N/mm<sup>2</sup> (Substrate failure)</td></tr> <tr> <td><b>Impact Resistance:</b> (BS EN 1504-2:2004)</td><td>Class II</td></tr> </table>	<b>Category Guide:</b>	FerFA Category 4	<b>Temperature Resistance:</b>	Tolerant of temperatures up to 60°C	<b>Abrasion Resistance:</b> (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)	<b>Bond Strength:</b> (BS EN 13892-8:2002)	>3 N/mm <sup>2</sup> (Substrate failure)	<b>Impact Resistance:</b> (BS EN 1504-2:2004)	Class II
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### CE MARK



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**BSEN 13813 SR B 3.0 - AR 0.5 - IR>4**  
Resin coating/screed for use inside buildings as per data sheet  
Wear resistance: AR 0.5  
Bond strength: B 3.0  
Impact resistance: IR > 4

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#### HEALTH AND SAFETY

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

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