



New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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**PROTECTIVE
&
MARINE
COATINGS**

Resufloor WB Clear
PRODUCT TECHNICAL DATA
(Formerly known as Resuseal WB Clear)

PRODUCT DESCRIPTION

Resufloor WB Clear is a two pack water based epoxy floor coating with excellent adhesion to concrete, wood and other surfaces providing attractive, hard wearing dust-free finishes. Resufloor WB Clear can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement and can be applied to new concrete, 7 days after being poured (refer to application section).

ADVANTAGES

- Low odour
- Case hardens and dust proofs concrete
- Superb adhesion
- Hard wearing
- Used as a sealer or primer
- Hygienic
- Solvent free

RECOMMENDED USE

- As a seal for concrete
- For low to medium traffic indoor applications
- Food industries and warehouses
- Suitable for all types of masonries, asphalt and wood
- Indoor walkways, stairs, storages and demarcations
- Automotive workshops

PRODUCT DATA

<p>Volume Solids: ~28% by weight ~31% by volume</p> <p>VOC: <1 g/l calculated per full mixed unit</p> <p>Colours: Clear</p> <p>Finish: Semi gloss</p> <p>Flash Point: N/A</p> <p>Cleanser/Thinner: Thinner not recommended</p> <p>Pack Size: 5.1 kg and 10.2 kg</p> <p>Mixing Ratio: 1 parts base to 2 part hardener by weight Only</p> <p>Pack Weights: 1.6 kg base to 3.5 kg hardener (5.1 kg unit)</p> <p>Mixed Density: Approximately 1.03 g/cm³</p> <p>Shelf Life: 24 months (Base & Hardener)</p> <p>Storage: Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C</p> <p>Recommended Application Methods: Brush, roller or squeegee</p>	<p>Application at 20°C</p> <p>Recoating Intervals: 16 – 24 hours or once surface has tackiness lost</p> <p>Light Traffic: 24 – 48 hours</p> <p>Full Traffic: 48 – 72 hours</p> <p>Full Chemical Cure 7–10 days</p> <p>Pot Life: Up to 60 minutes from mixing, based on 5.1 kg pack size</p> <p>Note: water based epoxy may stay liquid for longer than specified pot life but it is recommended to use all mixed paint within the pot life time frame. Application after pot life may affect the cure properties such as gloss and adhesion.</p> <p>Coverage Rate: 5 kg will cover 32 m² @ 150 µm Wet thickness (Theoretical) Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</p> <p>System Thickness: (Recommended) 100 – 150 microns WFT 30 – 45 microns DFT</p> <p><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></p>
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Resufloor WB Clear PRODUCT TECHNICAL DATA

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/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 **Resufloor 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 **Resufloor WB Clear** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

PRIMING AND MIXING

Pre-mix the base component to a uniform consistency then add the entire contents of the hardener to the base and mix by using a slow speed hand held powered mixer and mixing paddle for approximately two to three minutes to achieve consistent mixture.

Apply the whole mixed paint by using spreading rake, roller and brush to achieve the maximum coverage within the specified pot life time frame.

The addition clean water up to 25% by volume can be added to the mix which can aid penetration and coverage where required.

APPLICATION

Apply the whole mixed paint by using spreading rake, roller and brush to achieve the maximum coverage within the specified pot life time frame.

Slip resistance can be improved by lightly broadcasting anti slip aggregates on the first coat (after primer) whilst still wet and back rolling, at a rate of 50/100 g/m². When cured apply the second **Resufloor WB** coat to secure the aggregates.

Do not apply **Resufloor WB** on top of polyurethane coatings, as it may not adhere properly.

Resufloor WB can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement.

Resufloor WB can be applied to a new (green) concrete, 7 days after being poured. In such cases expect surface gloss reduction and delay in cure process due to substrate dampness.

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 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.

NOTE: Applied coating should be protected from moisture during application and during the curing period. Exposure to moisture during this time can cause surface and colour variations.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Category 1

Abrasion resistance: 101mg / 1000 cycle
(ASTM D4060)

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

WARRANTY	DISCLAIMER
<p><i>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.</i></p> <p><i>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.</i></p>	<p><i>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.</i></p>

HEALTH AND SAFETY

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

www.sherwin-williams.com/protective EMEA1

This datasheet is specifically subject to the disclaimer which can be found at: <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>