



**PROTECTIVE
&
MARINE
COATINGS**

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

PRODUCT DESCRIPTION

Resufloor WB is a two pack coloured water based epoxy floor/wall coating with excellent adhesion to concrete, wood and other surfaces providing attractive, hard wearing dust-free finishes. Resufloor WB 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
- Silica free
- Superb adhesion
- Hard wearing
- Ease of application
- 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

Volume Solids:	~50% by weight ~40% by volume
VOC:	<10 g/l calculated per full mixed unit
Colours:	Stirling, Flint, Black, Salsa, Forest, Kingfisher
Finish:	Semi gloss
Flash Point:	N/A
Cleanser/Thinner:	Thinning not recommended
Pack Size:	5 kg and 10 kg
Mixing Ratio:	1 parts base to 1 part hardener by weight Only
Pack Weights:	2.84 kg base to 2.16 kg hardener (5 kg unit)
Mixed Density:	Approximately 1.16 g/cm ³
Shelf Life:	24 months (Base & Hardener)
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C
Recommended Application Methods:	Brush, roller or squeegee

Application at 20°C

Recoating Intervals: 12 – 24 hours or once surface has
lost tackiness

Light Traffic: 24 – 48 hours

Full Traffic: 48 – 72 hours

Full Chemical Cure 7–10 days

Pot Life: Up to 60 minutes from mixing, based
on 5 kg pack size

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.

Coverage Rate: 5 kg will cover 40 m² @ 100 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.

**System Thickness:
(Recommended)** 40 – 60 µm

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.



Resuflor WB 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 **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 **Resuflor WB** 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

Open and porous substrates should be primed to enhance an even finish with top coats.

Resuflor WB Clear is recommended and depending on the porosity and texture of the surface to be primed may require two coats. **Resuflor WB Clear** will not seal block work as it is a thin film primer.

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.

The addition clean water up to 25% by volume can be added to the mix which can aid penetration and coverage where required. In humid conditions the addition of up to 5% water by volume can aid achieving an even finish with no roller marks.

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 **Resuflor WB** coat to secure the aggregates.

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

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

NOTE: In humid conditions the addition of up to 5% water by volume can aid achieving an even finish with no roller marks.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Category 1

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

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 1392-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

Reaction to Fire: BFL – S1
(BS EN 13501-1:2018)

Impact Resistance Class 1
(BS EN 1504-2:2004)

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
<p><i>Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.</i></p>

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