



REF : SEWB 2016 05

Resuseal WB

DESCRIPTION

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

Grades available : Resuseal WB Clear - Used as a primer or dust seal
Resuseal WB Colour - Used as a colour floor finish

ADVANTAGES

- Low odour
- Non taint
- Superb adhesion
- Hard wearing
- Use as a floor sealer or primer
- Case-hardens and dust proofs
- Hygienic

RECOMMENDED USES

- As a seal coat for concrete
- Factory units
- Food units
- Suitable for plaster, asphalt & wood with correct preparation
- Excellent as a coating for previously painted surfaces
- Automotive workshops

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
45 microns to 70 microns (Per coat)	50 %	5 kg. & 10 kg.	1 X Base 1 X Hardener	12 Months (Base & Hardener)	Keep out of direct Sunlight. Store in a dry place, not below 15°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 kg. will cover 40 m ² @ 45 microns thickness	Up to 1.5 hours from mixing	Overnight 16 - 24 Hours	24 - 48 Hours	48 - 72 Hours	Up to 7 Days



BRITISH COATINGS FEDERATION



www.resinsurfaces.co.uk

Specification

Product : Resuseal WB

Finish : Satin Finish

Thickness : 45 - 70 microns approximately per coat

Colour : Clear or See RSL Coatings Colour Chart

Products required for this system

Prime : Resuseal Clear where required

System : Resuseal WB Clear or Colour x 2 coats

Surface Seal : Not required

Preparation

Surfaces to be coated must be clean, sound, dry and free of any contaminants that could impair good adhesion. Air temperature should be 5-30°C with humidity 70% RH maximum. Very high humidity can cause a patchy finish as moisture is retained during the product curing process. To prevent this ensure good drying conditions prevail throughout the application and cure of the product.

New Concrete Floors: New concrete must be clean and sound and with surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/ mm² is required. Open, porous substrates may benefit by priming with **Resuseal WB Clear**

Existing Concrete Floors: Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Open, porous substrates may require priming with **Resuseal WB Clear**. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**.

Resuseal WB can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

Resuseal WB can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement. **Resuseal WB** can be applied to a new (green) concrete, 7 days after being poured.

Application

Resuseal WB can be applied by roller or brush to most surfaces, two coats are recommended to provide a uniform and even finish. Pre-stir the base to ensure that any separation is re-dispersed. The entire contents of the hardener must be added to the base and mixed thoroughly preferably with a low speed drill and mixing paddle for a minimum of two minutes.

Care must be taken when mixing to ensure that the hardener is properly dispersed. Do not add water to this product..

Avoid air entrapment into the product.

Slip resistance can be improved by specifying a three coat system. The first coat of **Resuseal WB Clear** being followed by one coat of **Resuseal WB Standard** lightly scattered with anti-slip aggregates whilst still wet, at a rate of 50/100 g/m². When cured a second **Resuseal WB Standard** coat can be applied. Alternatively one pack of **R.S. Beadgrip** can be added to each pack of **Resuseal WB** to achieve a fine non-slip texture.

For a high-build floor system one coat of **Resuseal WB Clear** or **Colour** can be applied followed by 1 or 2 coats of **Resucoat HB Colour**.

Category Guide

FeRFA Category : 1

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 RSL

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 RSL.

Abrasion Resistance	n/a
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of sustained temperatures of up to 60°C
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Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
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Compressive Strength	n/a
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Flexural Strength	n/a
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Tensile Strength	n/a
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VOC	15 g/l calculation based on a full mixed unit
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Life Expectancy	2-3 years plus Subjected to Industrial Traffic RSL terms and conditions will apply
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Maintenance and Cleaning

RSL recommend that **Resuseal WB** should be cleaned with a regular industrial cleaning regime 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 & 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 RSL Guide to Cleaning of Resin Floors

Health and Safety

Resuseal WB 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 Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited 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.