



A **SHERWIN-WILLIAMS** Company



REF : SEAS 2016 12

Resustat WB

DESCRIPTION

Resustat WB is a two-pack epoxy static-dissipative matt coating for concrete and other substrates to create an anti-static resin flooring finish. This can be applied by roller directly as a static dissipative top coat or in conjunction with Resustat Primer as a higher performance system .

ADVANTAGES

- Conductive properties
- Easy application
- Excellent adhesion
- Low odour
- No primer necessary
- Matt finish

RECOMMENDED USES

- Pharmaceutical production
- Electronic industrial areas
- Operating theatre's
- Chemical plants
- Domestic studios
- Industrial Workshops

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
45 Microns	42%	5 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 34 sq m 45 @ microns Thickness	60 Minutes from mixing	8 hours or once surface has lost tackiness	24 Hours	48 Hours	Up to 7 Days



Specification

Product : Resustat WB

Finish : Matt

Thickness : 45 microns

Colour : Grey. Consult RSL for other colours

Products required for this system

Prime : None or as required with a system

System : Resustat WB

Surface Seal : n/a

Preparation

To achieve the best performance from **Resustat WB** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm². All surfaces must be prepared by vacuum blasting or mechanical abrasion.

Copper Strips:

In order to enhance an antistatic system to function effectively an optional grid can be installed to connect to electrical earth. Where ground floor slabs are laid direct to earth this is often sufficient. Where floors are not directly in contact, or earthing is poor, then copper strips should be laid onto the floor and connected to form a grid and secured to a suitable earthing point.

New Concrete Floors: New concrete must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm is required. Where substrates have a moisture reading of 75 % RH or above prime the substrate with **R.S. Dampshield** (number of coats dependent on moisture content).

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**. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**. If the substrate appears very weak and dusts easily the matrix of the screed can be strengthened by installing **Resutop Binder** a low viscosity binder formulated for defective substrates. (Contact RSL for further information).

Application

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. With good drying conditions or ventilation.

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.

Mixing: Pre-mix the coloured component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

The mixed unit should be applied immediately by short or medium pile roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Category Guide

FeRFA Category : n/a

Technical Information

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

Slip Resistance	Dry > 45
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 40°C
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Chemical Resistance	Chemical Resistance Moderate 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	10 g/l
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Calculation based on a full mixed unit

Life Expectancy	1-2 years light traffic
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Subjected to Industrial Traffic
RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Resusat 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

Resustat 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.