RSL RESIN SURFACES LIMITED

A SHERWIN-WILLIAMS Company

REF : REPR 2016 12

Resustat Primer

DESCRIPTION

Resustat Primer is a two-pack epoxy primer containing conductive fillers to prime concrete and other substrates prior to the application of Resustat resin flooring systems.
Resustat Primer has conductivity of less than 0.050 M ohms when tested in accordance with BS EN 61340.

ADVANTAGES

- Conductive properties less than 0.050 M ohms
- Easy application
- Excellent adhesion
- Low odour
- Suitable for all RSL Resustat systems as subsequent floor finish

RECOMMENDED USES

- Where a conductive primer is required for an RSL anti-static floor system
- Resustat ESM
- Resustat SL23
- Resustat TG69
- Resustat Terrazzo

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 Microns	100%	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 21 m^2 @ 200 microns Thickness	30 Minutes from mixing	8 hours or once surface has lost tackiness	24 Hours	48 Hours	Up to 7 Days

CPD CERTIFIED Construction CPD Certification Service · nbsPlus · riba product selector · Campden BRI food and drink innovation · BCF BRITISH COATINGS FEDERATION · MADE IN THE UK · FeRFA Resin Flooring Association

Specification

Product : Resustat Primer

Finish : Semi-gloss

Thickness : 200 microns

Colour : Black

Products required for this system

Prime : Resustat Primer

System : Resustat system as specified

Surface Seal : n/a

Preparation

To achieve the best performance from **Resustat Primer** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm^2. All surfaces must be prepared by vacuum blasting or mechanical abrasion.

Copper Strips:
In order for antistatic systems to function effectively, it is essential that the system connects 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^2 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 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 for formulated for defective substrates. (Contact RSL for further information).
Where poor quality surfaces or damp surfaces are encountered, suitable action must be undertaken prior to **Resustat Primer** being applied.
Resutop Binder, **R.S. Dampshield**, **Resupatch** etc, may create insulated areas, and the floor must be treated thereafter as an insulated floor and copper tape grid applied.
Earthing: No additional earthing is required provided that the substrate is in intimate contact with the ground. On raised and insulated floors additional earthing from a grid network of copper tape is required. The copper tapes should be applied to the prepared floor prior to application of the **Resustat Primer**. The copper tape must be connected to an external earthing point after the floor installation has been completed.
Where copper tapes are applied, it is recommended that no distance to the grid be greater than 2M and that the continuity of the grid and earthing be confirmed after the application of **Resustat Primer** and before any further coatings are applied.
This product is not suitable as a wearing finish in its own right, and should be over-coated.

Application

The ambient temperatures of the areas should not be allowed to fall below 15^{o}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^{o}C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15^{o}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.
Allow to cure for 8 hours minimum at 20^{o}C before overlaying, but do not allow longer than 48 hours before overlaying.

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	n/a
Method BS7976 pt1-3 2002	Wet	n/a

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 65^{o}C
Chemical Resistance	Good Chemical Resistance Consult RSL on specific materials
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	139 g/l
	Calculation based on a full mixed unit
Life Expectancy	n/a
	Subjected to Industrial Traffic RSL terms and conditions will apply

Maintenance and Cleaning

Resustat Primer is not recommended as a surface finish.
RSL recommend that **Resusat Primer** 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 Primer 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.

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