



A **SHERWIN-WILLIAMS** Company



REF : TOBI 2016 06

Resutop Binder

DESCRIPTION

Resutop Binder is a low viscosity two-pack epoxy resin for application to penetrate deeply into defective concrete and sand and cement screeds to consolidate and bind the particles together.

The resultant finish is a high strength screed, capable of meeting the stringent industrial demands required for such systems and avoiding the costs and disruptions of screed replacements.

ADVANTAGES

- Economic compared to breaking out and replacing
- Hygienic and easily cleaned
- Little, if any, disruption
- Low odour
- No shrinkage on curing
- Excellent hard wearing

RECOMMENDED USES

- Food processing and beverage areas
- Chemical plant rooms
- Engineering workshops
- Automotive & aviation areas
- Factory units

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns Subject to porosity	90 %	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 23 sq m @ 200 microns thickness	30 Minutes from mixing	6 hours or once surface has lost tackiness	12 -16 Hours	24 -36 Hours	Up to 7 Days



Specification

Product : Resutop Binder

Finish : Clear Gloss

Thickness : 200 microns , subject to penetration

Colour : Clear

Products required for this system

Prime : n/a

System : Resutop Binder

Surface Seal : n/a. Or coatings and screeds once surface is sealed

Preparation

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, .

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. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**.

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.

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 base 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 roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

The product may be poured onto the floor in small pools and immediately rolled evenly over the surface and allowed to penetrate.

While the product is penetrating into the screed, keep rolling fresh material over the surface until it is visibly obvious that penetration is ceasing and a slight surface residue remains.

Allow to cure overnight at 20°C then the screed may be recovered with a resin topping, tiles or carpeting etc. and put back into use.

Coverage rates will depend on porosity of the substrate. Typically on failed concretes 5 kgs. of **Resutop Binder** covers around 10m².

Category Guide

FeRFA Category : 3

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 45°C
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Chemical Resistance	n/a
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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	253 g/l
	Calculation based on a full mixed unit

Life Expectancy	Dependant on floor system
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Maintenance and Cleaning

RSL recommend that **Resutop Binder** 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

Resutop Binder 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.