



PROTECTIVE & MARINE COATINGS

Resuprime Binder

PRODUCT TECHNICAL DATA

(Formerly known as Resutop Binder)

PRODUCT DESCRIPTION

Resuprime Binder is a low viscosity two-pack epoxy resin for application to penetrate deeply into defective concrete flooring as well as 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 alternative to replacing screeds/concrete
- Low odour
- No shrinkage
- Good penetration
- Low viscosity
- Hard wearing finish

RECOMMENDED USE

- Food processing and beverage areas
- Automotive and aviation areas
- Factory units and warehouses
- Engineering workshops
- Chemical plant rooms
- Reinforcing weak substrates

PRODUCT DATA

<p>Volume Solids: ~76% \pm2%</p> <p>VOC: 253 g/l calculated per full mixed unit</p> <p>Colours: Clear</p> <p>Finish: Smooth gloss</p> <p>Flash Point: N/A</p> <p>Cleanser/Thinner: Thinning not recommended</p> <p>Pack Size: 5.9 kg</p> <p>Pack Weights: 4.23 kg base/1.67 kg hardener (5.9 kg)</p> <p>Mixing Ratio: Approx 2.5 parts base to 1 part hardener by weight only</p> <p>Mixed Density: Approximately 1.08 g/cm³</p> <p>Shelf Life: 36 months (Base and Hardener) in unopened containers</p> <p>Storage: Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C</p> <p>Recommended Application Methods: Brush, roller or squeegee</p>	<p>Application at 20°C</p> <p>Recoating Intervals: 6-8 hours or once surface has lost tackiness</p> <p>Light Traffic: 12 - 16 hours</p> <p>Full Traffic: 24 – 36 hours</p> <p>Full Chemical Cure 7 days</p> <p>Pot Life: 25 – 30 minutes from mixing, based on 5 kg pack size</p> <p>Note: All mixed paint must be used within the pot life time limit, if the paint is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.</p> <p>Coverage Rate: 5.9 kg will cover 27.3 m² @ 200 μm WFT (Theoretical) Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</p> <p>System Thickness: (Recommended) 200 – 250 μm</p> <p>As this product is designed for penetration into porous substrates then the system thickness and coverage rates will depend highly upon the condition of the substrate. The thicknesses given here are intended as a guide only.</p>
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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 **Resufloor Patch**. 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.

MIXING

Mix the entire contents of the **Resuprime Binder Base Part A** with **Resuprime ST 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 to three minutes until the two components are fully combined.

APPLICATION

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

Whilst 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.

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.

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.

See Sherwin-Williams System Sheets for recommended floor systems.

TECHNICAL INFORMATION

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

Category Guide: FerFA Category 3

Temperature Resistance: Tolerant of temperatures up to 45°C

WARRANTY

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.

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.

DISCLAIMER

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.

HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

Sherwin-Williams Protective & Marine Coatings, Tower Works, Kestor Street, Bolton, Lancashire BL2 2AL United Kingdom
T: 01204 521 771 E: sales.uk@sherwin.com www.resinflooring.sherwin.eu

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