



RESUPRIME ST

07/2023 Issue 4 – REF: PRNT

PRODUCT DESCRIPTION

Resuprime ST is a two-pack high solids epoxy resin bonding and priming coat. It is designed for easy application, with good surface wetting properties. Resuprime ST has excellent adhesion and is principally designed to bond thin section resin based screeds and toppings to cementitious and other surfaces.

ADVANTAGES

- Ease of application
- Versatile
- High solids
- Low odour
- Excellent adhesion

RECOMMENDED USE

A wide range of industrial applications such as:

- Concrete primer and sealer
- Concrete substrates with less than 75% ERH
- As a primer for all Sherwin-Williams floor coatings and screeds

PRODUCT DATA

Volume Solids:	~100%
VOC:	147 g/l calculated per full mixed unit
Colours:	Clear
Finish:	Smooth gloss
Pack Size:	5 kg and 30 kg
Pack Weights:	3.33 kg base/1.67 kg hardener (5 kg) 20 kg base/10 kg hardener (30 kg)
Mixing Ratio:	2 parts base to 1 part hardener by weight only
Mixed Density:	~1.08g/cm ³
Shelf Life:	36 months (Base and Hardener)
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C.

Typical properties at 20°C

Cure Times

Recoating Intervals: 6 - 8 hours once surface has lost tackiness

Light Traffic: 18 - 24 hours

Full Traffic : 48 - 72 hours

Full Chemical Cure: 7 days

Pot Life: 25 – 30 minutes from mixing, based on 5 kg pack size

The pot life may be shorter for larger pack sizes if the paint is not used within the pot life limit.

Note: All product must be used within the pot life limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Typical Consumption:

5 kg will cover 23 m² @ 200 µm WFT

Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.

System Thickness: 200 - 250 µm

(Recommended)

The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.

Recommended

Application Methods: Brush, roller or squeegee

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanised equipment. Grinding or light contained shot-blasting to CSP 1-3, for detailed information, refer to ICRI Guideline No.310.2R-2013, should be used for the thinner synthetic flooring types to ensure that the profile does not reflect in the finish.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.

Weak concrete must be removed, and local repairs carried out.



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RECOMMENDED SYSTEMS

Recommended for a wide range of Sherwin-Williams HPF products.

MIXING AND APPLICATION

Mixing:

Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 to 400 rpm) for 1 to 2 minutes until homogeneous.

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.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Type 2

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°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 Safety Datasheet for information on safe storage and handling of this product.

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