



# RESUPRIME™ OT

05/2023 Issue 5 – REF: PROT

## PRODUCT DESCRIPTION

Resuprime™ OT is a two-component epoxy resin primer, designed for remediation of oil contaminated concrete substrates.

### ADVANTAGES

- Ease of application
- Damp tolerant
- Application onto substrates with hygrometer readings up to 85% ERH
- Low odour
- Excellent adhesion

### RECOMMENDED USE

A wide range of industrial applications such as:

- Substrates with oil contamination
- Factory floors
- Engineering workshops
- Automotive workshops
- Remediation of oil contaminated concrete substrates.

## PRODUCT DATA

**Volume Solids:** ~100%

**VOC:** 84 g/l calculated per full mixed unit

**Colours:** Clear

**Finish:** Gloss

**Flash Point:** N/A

**Cleanser/Thinner:** Do not thin  
Cleaning with RS Epoxy Solvent only

**Pack Size:** 5 kg

**Pack Weights:** 3.33 kg base/1.67 kg hardener

**Mixing Ratio:** 2 parts base to 1 part hardener by weight only

**Mixed Density:** Approximately 1.08 g/cm<sup>3</sup>

**Shelf Life:** 36 months (base and hardener)

**Storage:** Keep out of direct sunlight.  
Store in a dry place, between 5°C - 30°C.

**Recommended Application Methods:** Brush, roller or squeegee.

### Typical Properties at 20°C

#### Cure Times

Minimum recoating interval: 6 to 8 hours or once surface has lost tackiness

Light Traffic: 18 to 24 hours

Full Traffic: 48 to 72 hours

Full Chemical Cure: 7 days

**Pot Life:** 25 to 30 minutes from mixing.

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

#### Typical Consumption:

0.25 - 0.5kg/m<sup>2</sup>

The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

## SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm<sup>2</sup>, a minimum tensile strength of 1.5 N/mm<sup>2</sup> 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 mechanical means depending on surface profile required.

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

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

Contaminated Substrates: Contaminated substrates require thorough cleaning prior to surface preparation and priming. Oil Remover can be used to help remove any oil contamination. This must then be thoroughly washed off using Industrial Floor Cleaner.

Primer must be applied promptly after surface preparation and before contamination returns to the surface.

Please refer to the product datasheets for information on proper use of these.



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## APPLICATION CONDITIONS

Ideal site conditions for application of Resuprime™ OT are 15 to 25°C and <85% relative humidity. Heating and/or cooling equipment may be required to achieve these conditions. The product should be stored in an appropriate area with similar environmental conditions. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming. Substrate temperature should not be allowed to drop below 10°C as this will have an adverse effect on the application of the product.

Resuprime™ OT is suitable on concrete with relative humidity readings up to 85% ERH. Where the Relative Humidity of a substrate exceeds 85% ERH multiple coats of Resuprime™ OT should be specified.

## 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.

## 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/mm<sup>2</sup> (Substrate failure)

**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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