



# R.S. Oil Tolerant Primer

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## DESCRIPTION

R.S. Oil Tolerant Primer is a two-component epoxy resin floor membrane that is tolerant of residual oil contamination in concrete substrates. It is essential that all surface and gross contamination is removed by cleaning with R.S. Oil Remover and R.S. Industrial Floor Cleaner.

## ADVANTAGES

- Easy application
- Application onto substrates with hygrometer readings up to 85%
- Application onto substrates with engineering oil contamination
- Excellent adhesion
- Low odour
- High solids

## RECOMMENDED USES

- Concretes with oil contamination
- Where a DPM is ineffective
- Polymer screeds
- Cementitious underlayments
- Factory floors
- Automotive workshops
- As a seal coat for contaminated concrete

## PRODUCT INFORMATION

<b>System Thickness (Recommended)</b>	200-250 microns WFT    182-227 microns DFT *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.
<b>Solids Content by Weight</b>	92%
<b>Solids Content by Volume</b>	91%
<b>Pack Sizes</b>	4 Kg & 8 Kg
<b>Pack Make Up</b>	1 x Base    1 x Hardener
<b>Shelf Life</b>	12 months (Base & Hardener)
<b>Storage</b>	Keep out of direct sunlight. Store in a dry place, between 15°C and 30°C.

## APPLICATION INFORMATION at 20°C

<b>Coverage Rate (Theoretical)</b>	4 Kg will cover 18.5m <sup>2</sup> at 200 microns wet film thickness * Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
<b>Pot Life</b>	25-30 minutes
<b>Recoating Intervals</b>	8 hours or once surface has lost tackiness
<b>Light Traffic</b>	24 hours
<b>Full Traffic</b>	72 hours
<b>Full Chemical Cure</b>	7 days



## Specification

**Product :** R.S. Oil Tolerant Primer

**Finish :** Semi gloss

**Recommended thickness range :** 200-250 microns WFT per coat

**Colour :** Clear

## Products required for this system

**Primer :** R.S. Oil Tolerant Primer

**System :** As per specification

**Surface Seal :** As per specification

## 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/mm<sup>2</sup> 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 make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out with

**Resupatch or Resuscreed 45.**

**Existing Floors ( previously coated )**

All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. 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 existing floor coating.

**R.S. Oil Tolerant Primer** can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

## Priming

**R.S. Oil Tolerant Primer** is suitable on concrete with Relative Humidity readings up to 85% ERH. Where the Relative Humidity of a substrate exceeds 85% ERH **R.S. Dampshield** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203.

The number of coats to be applied is chosen in accordance with the following table.

ERH%	Required Coating Thickness
85-92	2coats of R.S.DAMPSHIELD at 200 microns per coat
92-97	3coats of R.S.DAMPSHIELD at 200 microns per coat

For Further information please refer to recommended individual product data sheets.

## 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 for mixing 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 have fully combined.

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

## Category Guide

FeRFA Category : 2

## Technical Information

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

Bond Strength	3.3 N/mm <sup>2</sup> (Substrate failure)
Method BS EN 13892-8:2003	
Temperature Resistance	Tolerant of temperatures up to 60°C
VOC	84 g/l calculated per full mixed unit
Life Expectancy	Dependant on floor system.

## Cleaning Regime

**R.S. Oil Tolerant Primer** is used in conjunction with **R.S. Oil Pre-Treatment** and **R.S. Industrial Floor Cleaner**. The surface should be mechanically prepared to remove as much as possible of the contaminated surface. Apply **R.S. Oil Pre-treatment** in accordance with the Data Sheet, and allow to work for not less than 20 min. Agitate with a scrubber and then wash off from the surface with **R.S. Industrial Floor Cleaner**. Several cleaning cycles may be required to achieve the necessary level of cleanliness. Rinse the surface thoroughly with clean water to remove any residues and allow surface to dry.

## Health and Safety

**R.S. Oil Tolerant 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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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.