RSL RESIN SURFACES LIMITED

A SHERWIN-WILLIAMS Company

REF : PROT 2015 06

R.S. Oil Tolerant Primer

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 engineering oil contamination
- Application onto substrates with Hygrometer readings up to 85%
- Solvent free
- Low odour
- Excellent adhesion
- Suitable for all RSL systems as subsequent floor finish

RECOMMENDED USES

- Concretes with oil contamination
- Where a dpm is ineffective
- Polymer screeds
- Certain underlayment screeds
- Factory floors
- As a non-dusting seal for contaminated concrete

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns	100%	4 kg. & 8 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
4 Kg. will cover 16 m^2 @ 200 microns thickness	30 Minutes from mixing	8 hours or once surface has lost tackiness	24 Hours	72 Hours	Up to 7 Days

CPD CERTIFIED Construction CPD Certification Service · nbsPlus · riba product selector · Campden BRI food and drink innovation · BCF BRITISH COATINGS FEDERATION · MADE IN THE UK · FeRFA Resin Flooring Association

Specification

Product : R.S. Oil Tolerant Primer

Finish : Semi Gloss

Thickness : 200 Microns

Colour : Clear

Products required for this system

Prime: R.S. Oil Tolerant Primer

System : As RSL specification

Surface Seal : As RSL specification

Preparation

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 mush 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.

Inspect the surface to ensure that there is sufficient surface key and that there is no free oil contamination remaining (or that oily material has not risen from the underlying concrete).

Concrete surfaces must be prepared by scarifying, vacuum shot-blasting, planing or other suitable method. All traces of concrete hardeners or other contaminants must be removed. The surface must be thoroughly vacuumed to remove concrete dust and then protected against further contamination by suitable means. Surfaces must be free from liquid water and atmosphere must not be condensing.

The product may also be applied to polymers, screeds and certain types of smoothing underlayments, provided these are well bonded. Such underlayments must be stable to the effects of water. If not the concrete floor must contain an integral damp-proof membrane to prevent further ingress of water from the ground.

Where laid onto a concrete surface where there is no DPM or where damage may have rendered the DPM ineffective due consideration must be given to the possible presence of hydrostatic pressure, and the consequences of creating a barrier layer resulting in the pressure /water flow being directed elsewhere.

IMPORTANT: Oil tolerant primer will not bond to grossly contaminated surfaces and surface cleaning and preparation is an essential part of this process.

Application

The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and the curing period, as this could hove an adverse effect on the system. Surface temperature must be above 5°C at all times.

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: 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.

Category Guide

FeRFA Category : 2

Technical Information

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

Slip Resistance	Dry	n/a
Method BS7976 pt1-3 2002	Wet	n/a

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
Chemical Resistance	n/a
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	91 g/l Calculation based on a full mixed unit
Life Expectancy	Dependant on floor system

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.

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