

R.S. Screed Seal

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DESCRIPTION

R.S. Screed Seal is a two-pack epoxy resin system designed as a surface coating for Resuscreed 55, Resuscreed 45 and Decora MS. This thixotropic coating is worked into the surface of open textured resin screeds, and fills all interstices, small voids and pockets in the surface, improving the resistance to chemicals, water spillage and offering improved cleanability.

ADVANTAGES

- Uniform sealed high-build finish
- Hygienic and easily cleaned
- Good colour stability
- Easy to apply
- No shrinkage on curing
- Can be used for decorative systems

RECOMMENDED USES

- Food processing and beverage areas
- Chemical plant rooms
- Engineering workshops
- Automotive & aviation areas
- Factory units
- Warehouses

PRODUCT INFORMATION

System Thickness (Recommended)	180-500 microns DFT
Solids Content by Weight	100% solids by weight
Pack Sizes	5 kg
Pack Make Up	1 x Base 1 x Hardener
Shelf Life	12 months (Base & Hardener)
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C.

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	5 Kg. will cover 12m ² at 360 microns DFT. *Coverage rate is calculated based on a sealed and smooth surface and will vary based on application due to this product being used on porous surfaces.
Pot Life	Approx. 25-30 Minutes from mixing, based on 5kg pack at 20°C. *The pot life may be shorter for larger pack sizes. Note: All mixed paint must be used within the pot life time limit. if the paint left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.
Recoating Intervals	8-10 hours or once surface has lost tackiness
Light Traffic	8-12 hours
Full Traffic	24-36 hours
Full Chemical Cure	7 Days



Specification

Product : R.S. Screed Seal

Finish : Smooth / Gloss

Recommended thickness range: 180 to 500 microns per coat

Colour : Clear

Products required for this system

Primer : As per specification

System : As per specification

Surface Seal : R.S. Screed Seal

Wearing Surface: Resucoat HB, Resutop or Resupen WB
(as per specification)

Preparation

The surface to be treated with **R.S. Screed Seal** must be clean, sound, dry and fully cured.

Rates of coverage will be affected by the particle size and the density of packing achieved during the application of the screed. Open textures will reduce rates of coverage significantly.

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 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 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.

R.S. Screed Seal is highly thixotropic, careful and thorough mixing are required. For trowel and squeegee application de-nibbing of the surface by steel trowel is recommended prior to application.

R.S. Screed Seal should be applied within 48 hrs of the application of the screed system. Apply to the clean surface with a polypropylene squeegee. Ensure that the **R.S. Screed Seal** is forced into the surface of the resin screed and pull down any excess to leave a thin coating. Finally roller off to achieve an even film finish. **R.S. Screed Seal** does not tend to flow therefore it is important to ensure that the finish is to an acceptable standard whilst wet.

When **R.S. Screed Seal** is being used on coloured systems, after overnight cure apply a coat of **Resucoat HB** to provide a wearing finish.

When **R.S. Screed Seal** is being used on decorative systems, after overnight cure apply a coat of **Resutop Clear** to provide a wearing finish.

NOTE: Applied coating should be protected from moisture during application and throughout the curing period. Exposure to moisture during this time can cause surface and colour variations.

Category Guide

FeRFA Category : 2/3

Technical Information

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

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet Please consult Sherwin-Williams

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 Sherwin-Williams.

Abrasion Resistance	N/A
Method BS8204 /ASTM D4060	(Not normally used as a wearing surface)

Temperature Resistance	Tolerant of temperatures up to 45°C
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Chemical Resistance	Good Chemical Resistance Consult Sherwin-Williams on specific materials
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VOC	20 g/l Calculated per full mixed unit
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Life Expectancy	Dependant upon the finished system.
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Maintenance and Cleaning

R.S. Screed Seal should be cleaned with a regular industrial cleaning regime, after specified full chemical cure time limit, with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover**, **R.S. Fats, Oils & Grease Remover** & **R.S. Oil Remover**.

All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Health and Safety

R.S. Screed Seal 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 the 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.

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