



A **SHERWIN-WILLIAMS** Company



REF : SFHB 2016 12

Resupen SF

DESCRIPTION

Resupen SF is a high build, hard wearing clear polyurethane floor coating forming a tough and durable gloss finish. Resupen SF is a light stable coating designed to be applied as a high build seal coat to a variety of finishes and surfaces. A range of anti-slip finishes can be created incorporating suitable aggregates for different textures . Resupen SF SR is supplied containing a nonslip aggregate pre-dispersed in the product.

ADVANTAGES

- High build
- UV stable
- Low odour
- Some flexibility
- Can be applied onto concrete, wood and asphalt etc.
- Anti-slip finishes can be created with Resupen SF SR or by applying a scatter of aggregate
- Excellent resistance to most fuels and lubricants

RECOMMENDED USES

- Where a high-build UV stable clear seal is required
- Decora Quartz Systems
- Resuflake systems
- Commercial and light Industrial decorative floor areas
- Domestic areas
- Mezzanine areas

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
180 microns to 200 microns (Per coat)	100 %	5 litres	1 X Base 1 X Hardener	12 months in sealed containers	Keep out of direct sunlight Store in a dry Place

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 litres will cover 23.5 m ² @ 200 Microns	20 minutes after mixing	8 - 12 hours or once surface has lost tackiness	24 Hours	3 Days	7 days



Specification

Product : Resupen SF and SF SR

Finish : Gloss

Thickness : 180 -200 microns

Colour : Clear and Clear SR

Products required for this system

Prime : n/a

System : Resupen SF or SF SR

Surface Seal : n/a

Preparation

Floors must be clean, sound, dry and fully cured and surface laitance removed, preferably by shot blasting or mechanical abrasion. Where over-coating other systems such as epoxy coatings or screeds, as part of a composite system, these should be tack free, but not fully cured.

Where application of **Resupen SF** is being made to masonry/concrete surfaces care must be taken to ensure that surface preparation is thorough but does not disfigure the surface as this will show through the clear coating. Timber surfaces should be thoroughly cleaned and any previous coatings etc. removed by suitable means and materials, all waxes etc. should be thoroughly stripped from the surface. The surface should be cleansed and where appropriate sanded in the direction of the timber grain.

Priming

Resupen SF and Resupen SF SR are usually applied as a seal coats to resin floor systems where a primer is not required. When applied direct to porous substrates the surface may require priming with **Resuseal WB Clear**. **Resuprime** or **R.S. Dampshield** should be used where a thicker primer coat is required for greater film thickness.

Application

Resupen SF can be applied as a single coat or as multiple coats building up a depth of cover.

Resupen SF SR is normally applied as a top coat to ensure that the profile remains exposed.

The ambient conditions of the area should not be allowed to fall below 10°C or above 65% RH throughout the application and the curing period, as this could have an adverse effect on the appearance of the system.

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.

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. **Resupen SFSR** is best applied by roller to ensure even distribution of the aggregate.

Coverage rates will depend on porosity of the substrate. To obtain a 200micron thickness coat apply **Resupen SF** at a rate of 4.7 m² per litre.

Category Guide

FeRFA Category : 2

Technical Information

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

Slip Resistance	Dry > 40
Method BS7976 pt1-3 2002	Wet Please consult RSL

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 100°C
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Chemical Resistance	Good Chemical Resistance Consult RSL for further details
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Compressive Strength	n/a
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Flexural Strength	n/a
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Tensile Strength	n/a
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VOC	77g/l
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Calculation based on a full mixed unit

Life Expectancy	4 years plus Subjected to light Industrial Traffic RSL terms and conditions will apply
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Maintenance and Cleaning

RSL recommend that **Resupen SF** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising a soft bristle brush and **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 and Grease Remover** & **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the RSL Guide to Cleaning of Resin Floors

Health and Safety

Resupen SF 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 Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited 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.