



A **SHERWIN-WILLIAMS** Company



REF : TOLS 2016 11

Resutop LS

DESCRIPTION

Resutop LS is a solvent-free light stable clear epoxy resin coating for application as a chemical resistant heavy duty coating at a thickness from 200 to 250 microns. The coating will provide a durable and light stable gloss finish to a wide range of surfaces such as flake and quartz systems. The surface can also be made slip resistant with the addition of selected aggregate if required. Applied by roller and paint brush the product is low odour producing a seamless, hard wearing, hygienic floor finish.

ADVANTAGES

- High-Build finish
- Solvent Free
- Hygienic and easily cleaned
- Excellent light stability
- Excellent slip resistance with the inclusion of selected aggregates
- No shrinkage on curing
- Excellent high gloss finish

RECOMMENDED USES

- Binder and Surface seal to a range of decorative finishes
- Food processing and beverage areas
- Automotive & aviation areas
- Commercial, Pharmaceutical and Factory environments
- Can be used as a flood coat for non-slip systems

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
210 microns (Per coat)	100 %	2.5 kg. & 5 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
5 kg. will cover 23 m ² @ 210 microns dry film thickness	45 Minutes from mixing	24 hours or once surface has lost tackiness	24 –36 Hours	5 days	Up to 10 Days



Specification

Product : Resutop LS

Finish : Clear

Thickness : 210 microns

Colour : N/a

Products required for this system

Prime : System / specification dependant

System : Resutop LS

Surface Seal : Not required (Resupen WB Clear Matt if required)

Preparation

New Concrete Floors: New concrete must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**.

Resutop LS can also be applied to existing coatings and to wood, and other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion. (Subject to compatibility checks)

Other surfaces

When applied to surfaces where colour or surface finish are important the preparation must be undertaken in such a way as to minimise the risk of damage showing through the clear coating applied. Flake systems need to be sanded back to remove loose and friable materials, taking care not to break down the integrity of the colour blend. Decora and Flake systems should be coated with uniform and even coats to provide the appropriate depth of coating and profile.

Priming

This product is designed for use as a top seal coat, and the selection of suitable base systems should take into account the end requirement for light stability.

If used as a surface seal, priming is not always required but open, porous substrates may require further coats.

If the substrate appears very weak and dusts easily the matrix of the screed can be strengthened by installing **Resutop Binder** a low viscosity binder formulated for defective substrates. (Contact RSL for further information).

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. At temperatures below 15°C the drying time becomes extended, and this product should not be used below 10°C.

Where possible it is recommended that the application area is heated to a minimum temperature of 15°C in advance of application to ensure that the ambient and substrate temperature are suitable 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. Avoid the entrainment of air in the mix.

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.

The coverage rates will depend on the texture and the porosity of the surface.

Resutop LS is used as a seal coat on various decorative RSL floor systems such as **Decora MS**, **Decora BS** and **Resuflake**. It is also used on substrates where a light stable and fully translucent finish is required.

Category Guide

FeRFA Category : 3

Technical Information

The following figures are obtained from laboratory tests and our experience with this product and do not constitute a guarantee of performance.

Slip Resistance	Dry > 60
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 45°C
Chemical Resistance	Good Chemical Resistance Consult RSL on specific materials
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	154 g/l Calculation based on a full mixed unit including reactive materials.
Life Expectancy	3-4 years plus Subjected to Industrial Traffic RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Resutop LS** should be cleaned with a regular industrial cleaning regime 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 & 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

Resutop LS 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.