



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Resutop LV Data Sheet

Specification notes

Product: **Resutop LV**

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Resutop LV Data Sheet



A **SHERWIN-WILLIAMS** Company



REF : TOLV 2016 11

Resutop LV

DESCRIPTION

Resutop LV is a two-pack solvent-free high-build pure epoxy resin for application as a heavy duty floor coating with higher chemical resistance than standard Resutop grades. The coating will provide a smooth Gloss finish to which anti-slip aggregate can be added if required. Applied by roller and paint brush the product is low odour producing a seamless, hard wearing, hygienic floor finish. Resutop LV is available in the RSL range of colours.

ADVANTAGES

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

RECOMMENDED USES

- Chemical bund areas
- Chemical plant rooms
- Engineering workshops
- Automotive & aviation areas
- Factory units
- Can be used as a flood coat for non-slip systems
- Resutop is used as a seal for various RSL systems

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
180 microns to 250 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 20 m ² @ 190 microns thickness	30 Minutes from mixing	6 hours or once surface has lost tackiness	12 -16 Hours	24 -36 Hours	Up to 7 Days



Specification

Product : Resutop LV

Finish : Coloured Gloss

Thickness : 180 to 250 microns

Colour : See RSL Coatings Colour Chart

Products required for this system

Prime : Resuseal WB or Resuprime

System : Resutop LV

Surface Seal : Not 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 LV can also be applied to existing coatings, to wood and other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

Priming

Priming is not essential but open, porous substrates may require priming with **Resuseal WB**.

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 for formulated for defective substrates. (Contact RSL for further information).

If substrates do have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (Number of coats dependent on moisture content).

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 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.

Coverage rates will depend on porosity of the substrate.

Decontamination : Resutop LV has been tested to BS 4247 Part 1 Test A. Ease of Decontamination Classification – **Excellent**

Category Guide

FeRFA Category : 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 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
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Chemical Resistance	Very Good Chemical Resistance Consult RSL on specific materials
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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	134 g/l Calculation based on a full mixed unit
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Life Expectancy	3-4 years plus Subjected to Industrial Traffic RSL terms and conditions will apply
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Maintenance and Cleaning

RSL recommend that **Resutop LV** 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 LV 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.