



# Resutop LV

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## DESCRIPTION

Resutop LV is a two-pack, high solids, high-build epoxy resin coating 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.

## ADVANTAGES

- High-build finish
- High solids
- Hygienic and easily cleaned
- Good colour stability
- Excellent slip resistance with the use of selected aggregates
- High gloss finish

## RECOMMENDED USES

- Chemical bund areas
- Chemical plant rooms
- Engineering workshops
- Automotive & aviation areas
- Factory units
- Warehouses
- Used as a seal coat for various Sherwin-Williams flooring systems

## PRODUCT INFORMATION

|                                       |                                                                                                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System Thickness (Recommended)</b> | 200-250 microns WFT    172-215 microns DFT<br>*The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary. |
| <b>Solids Content by Weight</b>       | ~100%                                                                                                                                                                                                               |
| <b>Pack Sizes</b>                     | 5 kg                                                                                                                                                                                                                |
| <b>Pack Make Up</b>                   | 1 x Base    1 x Hardener                                                                                                                                                                                            |
| <b>Shelf Life</b>                     | 36 months (Base)    24 months (Hardener)                                                                                                                                                                            |
| <b>Storage</b>                        | Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C.                                                                                                                                              |

## APPLICATION INFORMATION at 20°C

|                                    |                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Coverage Rate (Theoretical)</b> | 5 Kg. will cover 19.1m <sup>2</sup> at 200 microns wet film thickness.<br>*Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.                                                                                                                  |
| <b>Pot Life</b>                    | Approx. 25-30 Minutes from mixing, based on 5kg pack size.<br>*The pot life may be shorter for larger pack sizes.<br><b>Note:</b> All mixed material must be used within the pot life time limit. if the material is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction. |
| <b>Recoating Intervals</b>         | 6 hours or once surface has lost tackiness                                                                                                                                                                                                                                                                                       |
| <b>Light Traffic</b>               | 12-16 hours                                                                                                                                                                                                                                                                                                                      |
| <b>Full Traffic</b>                | 24-36 hours                                                                                                                                                                                                                                                                                                                      |
| <b>Full Chemical Cure</b>          | 7 Days                                                                                                                                                                                                                                                                                                                           |



## Specification

**Product :** Resutop LV

**Finish :** Smooth / Gloss

**Recommended thickness range:** 200 to 250 microns WFT per coat

**Colour :** Available in a range of colours, please consult Sherwin-Williams

## Products required for this system

**Primer :** Resuseal WB, Resuprime NT or use R.S. Dampshield on damp surfaces, where required.

**System :** Resutop LV

**Surface Seal :** Not required

## Preparation

**New Concrete Floors:** New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm<sup>2</sup> is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resupatch** or **Resuscreed 45**.

### Existing Floors ( previously coated )

All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed, then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with existing floor coating.

Where **Resutop LV** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

## Priming

Open and porous substrates may require priming with **Resuseal WB**, also **Resuprime NT** or **Resucoat HB** may be used as primer on the dry substrates only with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

| ERH%  | Required Coating Thickness                        |
|-------|---------------------------------------------------|
| 75-85 | 1 coat of R.S.DAMPSHIELD at 200 microns per coat  |
| 85-92 | 2 coats of R.S.DAMPSHIELD at 200 microns per coat |
| 92-97 | 3 coats of R.S.DAMPSHIELD at 200 microns per coat |

For Further information please refer to recommended individual product data sheets.

## 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 coloured 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 to three minutes until the two components have fully combined.

The mixed unit should be applied immediately by squeegee, roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks. Coverage rates may vary depending on profile and porosity of the substrate.

**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 : 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 |     |

|                        |                                     |
|------------------------|-------------------------------------|
| Temperature Resistance | Tolerant of temperatures up to 45°C |
|------------------------|-------------------------------------|

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| Chemical Resistance | Very Good Chemical Resistance<br>Consult Sherwin-Williams on specific materials |
|---------------------|---------------------------------------------------------------------------------|

|     |                                        |
|-----|----------------------------------------|
| VOC | 147 g/l Calculated per full mixed unit |
|-----|----------------------------------------|

|                 |                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Life Expectancy | Up to 4 years depending on applied thickness and subjected to traffic according to FeRFA classification. Sherwin-Williams terms and conditions will apply. |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Maintenance and Cleaning

**Resutop LV** 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

**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 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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