



A **SHERWIN-WILLIAMS** Company



REF : SC50 2016 06

# Resuscreeed 50

## DESCRIPTION

Resuscreeed 50 is a flecked epoxy resin floor screed formulated to provide a hard wearing, seamless finish, suitable for application onto both new and existing floors, with excellent adhesion. Resuscreeed 50 can be applied to concrete, wood and metal and other surfaces following appropriate preparation provided the substrate is sound and clean. Seal coat's are required where an impervious finish is required.

## ADVANTAGES

- Hard wearing & durable
- Easy to apply to achieve a smooth finish
- Can be used for localised repairs
- Decorative - available in a range of colours
- Abrasion & impact resistant
- Can be used to form coving
- Can be used to create falls

## RECOMMENDED USES

- Industrial units
- Retail outlets
- Showrooms
- Schools & colleges
- Supermarkets
- Pharmaceutical areas
- Public reception areas

## PRODUCT INFORMATION

| System thickness (dry) | Solids content by weight | Pack sizes       | Pack make up  | Shelf life  | Storage   |
|------------------------|--------------------------|------------------|---|---|---|
| 4 mm to 10 mm          | 100%                     | 25 kg. & 50 kg.. | <b>25 kg.</b> -<br>1 X Base<br>1 X Hardener<br>1 X Aggregate bag<br><b>50 kg.</b> -<br>as above ,<br>2 X Aggregate bags | 12 Months<br>(Base & Hardener)<br>12 Months<br>(Aggregates) | Keep out of direct sunlight.<br>Store in a dry place,<br>not below 15°C |

## DRYING TIMES & COVERAGE RATES at 20°C

| Coverage rate                               | Pot life               | Recoat tme  | Light traffic | Full traffic | Full chemical cure |
|---|------------------------|---|---------------|--------------|--------------------|
| 50 kg. will cover 6.25 sq m @ 4mm thickness | 30 minutes From mixing | For Seal Coats 12-16 Hours (Depending on Temperature) | 24 Hours      | 72 Hours     | Up to 7 Days       |



## Specification

Product : Resuscreed 50

Finish : Lightly Textured Coloured Finish

Thickness : 6mm

Colour : Available in a Range Colours

## Products required for this system

Primer : Resuprime or R.S Dampshield

System : Resuscreed 50 at Required Thickness

Surface Seal : R.S. Screed Seal and Resucoat HB

## Preparation

To achieve the best performance from **Resuscreed 50** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm<sup>2</sup>. All surfaces must be prepared by vacuum blasting or mechanical abrasion.

## Priming

**Resuscreed 50** can be applied onto a wet tack coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 sq.m. per kg. Very rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a tack coat is applied. Alternatively the surface of the wet primer can be scattered with a coarse grade kiln dried sand such as 14/25 mesh and then be allowed to cure. **Resuscreed 50** must then be applied within 24hours.

If substrates 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 10°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 5°C.

**Resuscreed 50** should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down. Over-working the material will draw fines to the surface which may result in resin-rich spots and finish variations.

The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure

**Resuscreed 50** is normally sealed by the application of one coat of **R.S. Screed Seal** at a rate of 3-4 sq m per kg. This would be followed by a further coat of **Resucoat HB Colour** at a rate of 3-4 sq m per kg.

### Coving

At 100mm nominal height, one 25 kg. unit of **Resuscreed 50** will typically form up to 12 linear Meters of coving which must be applied onto **R.S. Tack Primer** tack coat. Coving can be taken to a height of 300 mm if required.

All coving can be sealed using a variety of seal coats listed in the RSL range such as **R.S. Screed Seal** and **Resucoat HB** to match the floor finish as required.

## Maintenance and Cleaning

RSL recommend that **Resuscreed 50** 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 RSL for Cleaning Advice**

## Category Guide

FerFA Category : 6


## Technical Information

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

|                          |                        |
|--------------------------|------------------------|
| Slip Resistance          | Dry > 50               |
| 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 60°C @ 6mm                                |
| Chemical Resistance       | Excellent Chemical Resistance<br>Consult RSL on specific materials                    |
| Compressive Strength      | > 50 N/mm <sup>2</sup>  |
| Flexural Strength         | > 10 N/mm <sup>2</sup>  |
| Tensile Strength          | > 15 N/mm <sup>2</sup>  |
| VOC                       | < 5 g/l<br>Calculation based on a full mixed unit                                     |
| Life Expectancy           | 6 year plus<br>Subjected to Industrial Traffic<br>RSL terms and conditions will apply |

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| <b>13</b>  |
| <b>BSEN 13813 SR B 3.5 - AR 0.5 - IR&gt;4</b><br>Resin coating/screed for use inside buildings as per RSL data sheet<br>Wear resistance: AR 0.5<br>Bond strength: B 3.5<br>Impact resistance: IR > 4 |

## Health and Safety

**Resuscreed 50** 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. **Please refer to the RSL Guide to Cleaning of**

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.

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