



# R.S. Cemcrete Regular

Revised 04/2018—Issue 1 : REF : CECR/RG

## DESCRIPTION

R.S. Cemcrete Regular is a water based, polymer modified cementitious coating designed to be laid over a wide range of floor and wall surfaces to provide a smooth, durable finish strongly bonded to the substrate with a degree of flexibility to enable the accommodation of movement in the structure of the building. R.S. Cemcrete Regular can be applied in exterior or interior situations.

## ADVANTAGES

- Can be built up to achieve a range of thicknesses
- Elastomeric allowing for the accommodation of structural movement
- Ease of application—good working time and application properties
- Can be used both internally and externally
- Can be used a floor or wall coating
- Textured, non-slip finish

## RECOMMENDED USES

- Exterior floor finishes—driveways, walkways and footpaths
- Interior or exterior anti-slip finish
- Vertically—smooth version can be used as a wall render
- Internal and exterior car parks
- Public concourse areas
- Ship decks
- Can be used on various substrates. R.S. Cemcrete will adhere to a wide range of substrates including concrete, wood, asphalt, steel, glass, slates, lead, galvanised or corrugated iron, bitumen based materials, expanded polyurethane foam, fibreglass, asbestos and mineral based tiles etc.

## PRODUCT INFORMATION

<b>System Thickness (Recommended)</b>	500-1000 microns WFT 310-620 microns DFT *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>	80%
<b>Solids Content by Volume</b>	62%
<b>Pack Sizes</b>	34 kg
<b>Pack Make Up</b>	1 x Base 1 x Aggregate
<b>Shelf Life</b>	12 months (Base & Hardener) 6 months (Aggregate)
<b>Storage</b>	Keep out of direct sunlight. Store in a dry place, not below 15°C. Aggregate should be stored in a dry area to prevent contamination from moisture, as this would have a detrimental effect on the product.

## APPLICATION INFORMATION at 20°C

<b>Coverage Rate (Theoretical)</b>	34kg will cover 18m <sup>2</sup> @ 1000 microns wet film thickness
<b>Pot Life</b>	Up to 60 minutes from mixing. * water based mix may stay liquid for longer than specified pot life but it is recommended to use all mixed paint within the pot life time frame. Application after pot life may affect the cure properties such as gloss and adhesion.
<b>Recoating Intervals</b>	4-6 hours with good drying conditions
<b>Light Traffic</b>	12 - 16 hours
<b>Full Traffic</b>	72 hours
<b>Full Chemical Cure</b>	7-10 days



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## Specification

**Product :** R.S. Cemcrete Regular

**Finish :** Textured, Matt

**Recommended thickness range :** 500-1000µ WFT per coat

**Colour :** Grey or White

## Products required for this system

**Primer :** R.S. Cemprime or R.S. Cemcrete Liquid

**System :** R.S. Cemcrete Regular

**Surface Seal :** As per specification

## 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, scariying 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.

### 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.

### External Surfaces

Where evidence of organic growth, lichen, moss etc. is apparent, surfaces must be thoroughly cleaned and should be treated with a long term fungicidal/biocidal treatment which should be allowed to react and then washed down. Careful attention should be given to areas in both horizontal and vertical surfaces such as cracks and joints where water penetration is possible.

## Priming

Absorbent porous surfaces such as brickwork, asbestos, woodwork and crumbling friable concrete should first be primed with **R.S. Cemprime** or a solution of **R.S. Cemcrete Liquid** and water 1:1 by volume. This should be evenly applied, worked into the surface and allowed to dry. Sound dense concretes should be dampened (with no free water) with a water spray.

## Application

**R.S. Cemcrete Regular** should be applied where there are good drying conditions and the ambient temperatures of the area and substrate should not be allowed to fall below 5°C throughout the application and the curing period.

**R.S. Cemcrete Regular** can be applied by a variety of techniques including trowel pin rake, brush, squeegee etc. Each of these techniques will leave unique tool marks in the cured finish and these should be taken into consideration prior to application.

### Mixing:

Premix the white emulsion base to an even consistency and transfer to a suitable sized mixing vessel. Whilst mixing add the aggregate component slowly and mix for a further 2-3 minutes using a high speed drill and paddle to ensure the mixture is lump free and consistent. The mixed material should be applied immediately and consistently using the relevant application method.

Each coat should be evenly applied and allowed to dry before the next is applied. Where specific finishes are required it is recommended that trials are undertaken to ensure that the techniques are understood and able to be used on the surface available.

**R.S. Cemcrete Regular** can be coated with clear or coloured coatings including **Resuseal WB**, **Resucoat HB**, **Eiladur™**, **Resudeck**, **Resutile** or **Resupen WB** which provide different or enhanced properties for the wearing surface as required. Please consult Sherwin-Williams for further information and guidance.

## Category Guide

FeRFA Category : 3

## 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 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	AR1.0
Method BS EN 13892-4	
Bond Strength	<2.0 N/mm <sup>2</sup>
Method BS EN 13892-8	
Temperature Resistance	Tolerant of temperatures up to 60°C
Chemical Resistance	Consult Sherwin-Williams on specific materials
Reaction to fire classification	BFL - S1
EN 13501-1:2007+A1:2009	
VOC	<5 g/l calculated per full mixed unit
Life Expectancy	Up to 4 years Subject to industrial traffic. Sherwin-Williams terms and conditions will apply

## Maintenance and Cleaning

Sherwin-Williams recommend that **R.S. Cemcrete Regular** 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, Oils & 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 Sherwin-Williams Guide to Cleaning of Resin Floors**

## Health and Safety

**R.S. Cemcrete Regular** 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 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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