



A **SHERWIN-WILLIAMS** Company



REF : CEPR 2016 11

R.S. Cemprime

DESCRIPTION

R.S. Cemprime is a single pack copolymer emulsion designed purposely as a primer for porous substrates. It stabilises and seals substrates effectively promoting adhesion that will allow self-smoothing compounds to be applied directly. It can also be used as a dust proof coating when applied as a tight coat by squeegee or roller depending on texture, and finish. Once dry R.S. Cemprime produces a water and alkali resistant polymer layer which both bonds to and strengthens the surface.

ADVANTAGES

- Single pack
- Easy to use and apply
- Provides effective bonding agent to cementitious surfaces
- Can be used as a dust sealer
- Water and alkali resistant

RECOMMENDED USES

- As a primer for pumped industrial cementitious screeds
- Ideal for porous substrates such as concretes and sand/cement screeds
- As a temporary surface sealer and dust proofer

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
40 microns	25%	5 Litres & 25 Litres	Single Pack	12 months in unopened containers	Keep out of direct Sunlight. Store in a dry place, not below 15°C

CURING & COVERAGE RATES @ 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 sq m per Ltr as a primer Up to 10 sq m per Ltr as a sealer (profile and porosity dependent)	n/a Single Pack	6-8 hours onwards or once surface has lost tackiness	24 hours	72 Hours	Up to 7 Days



Specification

Product : R.S. Cemprime

Finish : Semi gloss

Thickness : 40 microns (on a sealed surface)

Colour : Clear

Products required for this system

Prime : R.S. Cemprime

System : R.S. Cemcrete or Self Smoothing Compounds

Surface Seal : Not used as a wearing surface

Preparation

New Concrete Floors: New concrete must be dry (<75%RH), clean, sound, and any surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm² is required. Do not apply to substrates with moisture readings greater than 75% RH. **N.B.** If the relative humidity exceeds 75% then a suitable Damp Proof Membrane (**R.S. Dampsheild**) must be considered. Please see technical data sheets for further details.

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 and rinsing.

Where self smoothing compounds are to be applied to the surface, localised repairs must be carried out where cracks or large voids exist, to ensure that the final application is of a uniform thickness. These should be undertaken in advance and allowed to cure. Where these repairs are left for more than 24 hrs the surface should be re-primed to ensure that a good bond is achieved on the final application.

Where higher levels of performance are required local repairs may also be carried out using **Resupatch** or **Resuscreed 43**. If the substrate appears very weak and dust's easily, the matrix of the sub floor can be strengthened by installing **Resutop Binder** a low viscosity binder formulated for weak and defective substrates. (Contact RSL for further information).

Application

The ambient temperatures of the area and substrate should not be allowed to fall below 10°C throughout the application and the curing period. Where possible it is recommended that the application area is <75%RH, heated to a minimum temperature of 15°C and time is allowed for the ambient and substrate temperature to stabilise prior to installation.

R.S. Cemprime can be applied by brush or roller and worked well into the surface, at a rate of 5 m² /l. Open, highly porous substrates may require a second application to ensure the formation of a suitable surface film to provide a bond. Rates of coverage may vary substantially dependant on the surface preparation and finish of the concrete, rates given assumes a shot blasted surface with medium porosity. Once applied and dry it will not re-disperse in water.

On highly porous surfaces, or when used as a dust proofer, a very dilute (1:1 with water) wash may be applied to obtain maximum penetration Once dry this should then be followed by an application of the standard material (neat) to the surface to build the film thickness.

N.B. **R.S. Cemprime**, is not suitable for non-porous surfaces.

Category Guide

FeRFA Category : 1

Technical Information

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

Slip Resistance	Dry > n/a
to BS EN 13036-4	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.

Bond Strength	1.8 N/mm ²
Method BS EN 13892-8:2003	

Temperature Resistance	Tolerant of sustained temperatures of up to 50°C
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Chemical Resistance	Consult RSL 's Technical Sales Department
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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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V. O. C.	Less than 1 g/l
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Calculation based on a full mixed unit

Life Expectancy	Dependant on floor system
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Health and Safety

R.S. Cemprime 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.