



A **SHERWIN-WILLIAMS** Company

REF : STPR 2016 12

Steriprime

DESCRIPTION

Steriprime is a single pack acrylic polymer emulsion designed as a primer and sealer for porous materials. Steriprime is composed of extremely fine particles and has a low viscosity enabling the product to penetrate porous materials.

Steriprime dries to give a water and alkali resistant polymer film which both strengthens the layer it has penetrated and controls the suction of 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 Stericide or the Ecuclad System
- As a 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. Protect from frost.

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 : Steriprime

Finish : Semi gloss

Thickness : 40 microns (on a sealed surface)

Colour : Clear

Products required for this system

Prime : n/a

System : Steriprime

Surface Seal : As Specified

Preparation

New Concrete : 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. Do not apply to substrates with moisture readings of 75 % RH or above.

Existing Surfaces : 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 then rinsing.

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 Method

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 heated to a minimum temperature of 15°C 65 % RH and time allowed for the ambient and substrate temperature to stabilise prior to installation.

Steriprime can be applied by brush or roller and worked well into the surface, at a rate of 5 m² /l. Open, 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.

Steriprime, once applied and dry, will not redisperse in water. On porous surfaces or when used as a dust proofer, a very dilute (1:1 with water) wash should be applied to obtain maximum penetration followed by an application of the standard material to the surface to create the surface seal required for subsequent finishes.

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
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 50 ° C

Chemical Resistance Good Chemical Resistance
Consult RSL on specific materials

Compressive Strength n/a

Flexural Strength n/a

Tensile Strength n/a

V. O. C. Less than 1 g/l
Calculation based on a full mixed unit

Life Expectancy 5 years plus
Subjected to Industrial Traffic in conjunction with **Ecuclad**. For other applications consult RSL. RSL terms and conditions will apply

Maintenance and Cleaning

n/a if used as a primer .

RSL recommend that **Steriprime** 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 and 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

Steriprime 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.