RSL RESIN SURFACES LIMITED

A SHERWIN-WILLIAMS Company

REF : PRFH 2016 06

Resuprime FH

DESCRIPTION

Resuprime FH is a fast cure two-pack solvent-free epoxy resin bonding and priming coat, designed for easy application, to allow rapid overlaying with resin based systems.

Resuprime FH is principally designed to bond thin section resin based screeds and toppings to cementitious and other surfaces.

ADVANTAGES

- Fast cure
- Excellent adhesion
- Versatile for varied applications
- Low odour
- Solvent free
- Ease of application

RECOMMENDED USES

- As a primer for Resuthane
- As a primer for Resucrete
- As a primer for Resuscreed
- As a primer for Resuscreed Quartz
- As a primer for Resuflor
- As a primer for R.S. Terrazzo
- As a primer for R.S. Terrain

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
200 microns	100%	2.5 kg. & 5 kg.	1x Base 1 x Hardener	12 Months (Base & Hardener)	Keep out of direct sunlight. Store in a dry place, not below 15°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 kg. will cover 20 m^2 @ 200 microns thickness	15 Minutes from mixing	4 hours or once surface has lost tackiness	6 - 8 Hours	24 - 36 Hours	Up to 7 Days

CPD CERTIFIED Construction CPD Certification Service · NBS Plus · riba product selector · Campden BRI food and drink innovation · BCF BRITISH COATINGS FEDERATION · MADE IN THE UK · FeRFA Resin Flooring Association

Specification

Product : Resuprime FH

Finish : Smooth Gloss

Thickness : 200 microns

Colour : Clear

Products required for this system

Prime : Resuprime FH

System : As specified

Surface Seal : As specified

Preparation

Resuprime provides excellent adhesion both as a tack coat and primer. Where surfaces are very porous, a coat of **Resuprime FH** may be required as a pre-primer coat before a second coat is applied as a tack coat.

New Concrete Floors: 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/mm^2 is required. Do not apply to substrates with moisture readings of 75 % RH or above. If substrates do have higher moisture levels prime the substrate with **R.S. Dampshield FH** as an alternative to **Resuprime FH** (Number of coats dependent on moisture content).

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. Local repairs should be carried out using **Resupatch** or **Resuscreed 43**. If the substrate appears very weak and dusts easily the matrix of the screed can be strengthened by installing **Resutop Binder** a low viscosity binder formulated for defective substrates. (Contact RSL for further information).

Resuprime FH can also be applied to existing coatings and to wood, and other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion.

Application

The ambient temperatures of the areas must 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.

Where possible it is recommended that the application area is heated to a minimum temperature of 15°C to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: 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 minutes or until the two components have fully combined.

The mixed unit should be applied immediately by roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks. Once mixed **Resuprime FH** will have a pot life of approx. 15 minutes at 20°C and must be applied during this period.

Important: : If **Resuprime FH** is not used within the pot life, it will generate heat and may generate fumes through the reaction process. The container must be carefully placed in a well ventilated area to prevent spillage or contact with the material or container, and nothing must be added to the container until the container has cooled naturally.

Category Guide

FeRFA Category : 2

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	n/a

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
Chemical Resistance	n/a
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	85 g/l Calculation based on a full mixed unit
Life Expectancy	Dependant on floor system

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BSEN 13813 SR B 3.4
Resin coating/screed for use inside buildings as per RSL data sheet

Bond strength: B 3.4

Health and Safety

Resuprime FH 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 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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