



A **SHERWIN-WILLIAMS** Company

REF : PAFH 2016 12

Resupatch FH

DESCRIPTION

Resupatch FH is a two-pack easy to use fast-cure epoxy resin mortar, with excellent mechanical properties. This makes it ideal for rapid repair of concrete surfaces in heavy duty environments.

Resupatch FH is a fast-cure mortar for same day repairs which can be overlaid in 4 hours at 20°C.

ADVANTAGES

- Fast cure & low odour
- Hard wearing durable repairs for Industrial Use
- Ease of application
- Minimum surface preparation
- Can be feather edged
- Excellent abrasion and impact resistance
- Concrete like in appearance
- Dust-free & permanent

RECOMMENDED USES

- Any sound concrete requiring repairs
- Warehouse areas
- Chemical production and Storage
- Printing and packaging Areas
- Engineering facilities
- Automotive industry
- Aerospace production areas
- Industrial workshops

PRODUCT INFORMATION

System thickness (dry)	Solids content	Pack sizes	Pack make up	Shelf life	Storage
As Required	100%	5 kg. & 20 kg.	5 kg. unit - 1 X Base/Aggregate Blend 1 X Hardener 20 kg. unit- 1 X Base/Aggregate Blend 1 X Hardener	12 Months (Base & Hardener) 3 Months (Aggregate)	Keep out of direct Sunlight Store in a Dry Place

DRYING TIMES & COVERAGE RATES at 20 ° C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 kg. has a 2.2 Litre volume 20 kg. has a 9 Litre volume	Including Aggregate (15 Mins)	For Seal Coats 4 Hours	8 Hours	24 - 36 Hours	Up to 7 Days



Specification

Product : Resupatch FH

Finish : Textured Grey Finish

Thickness : As required

Colour : Grey

Products required for this system

Prime : Resuprime or Resuprime FH

System : Resupatch FH

Surface Seal : Any RSL resin floor system

Preparation

To achieve the best performance from **Resupatch FH** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm².

Resupatch FH may be applied to substrates with a surface temperature in the range of 5-30°C and a relative humidity < 90% RH, with a minimum air temperature of 8°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

Priming

Resupatch FH can be applied onto a coat of **Resuprime** or **Resuprime FH** solvent free epoxy resin primer, normally applied at 4 m²./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. Priming is essential if **Resupatch FH** is being feather edged, deep repairs into pot holes etc. can be applied direct to the concrete substrate.

If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (number of coats dependent on moisture content).

Application

Resupatch FH is supplied as a 2-component product that requires thorough mixing before use. Add all of the hardener to the base/aggregate bucket and mix with a slow speed mixer taking care to ensure that all of the material is fully incorporated into the mix.

Resupatch FH 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 variation in finish.

The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure, otherwise carbamation; a white chalky deposit which whilst not detrimental to the various properties can occur.

Resupatch FH can be sealed using a variety of seal coats listed in the RSL range of products.

Vertical Repairs. :-

Also available is **Resupatch LW** in 6 kg. units, designed as a light-weight concrete repair kit for damaged vertical surfaces. **Resupatch LW** may also be used for building up badly damaged wooden surfaces such as doors and windows.
(See **Resupatch LW** Data Sheet)

Category Guide

FeRFA Category : 6

Technical Information

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

Slip Resistance	Dry > 70
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
------------------------	---

Chemical Resistance	Good Chemical Resistance Consult RSL for Further details
---------------------	---

Compressive Strength	80N/mm ²
----------------------	---------------------

Flexural Strength	20N/mm ²
-------------------	---------------------


Tensile Strength	20N/mm ²
------------------	---------------------

VOC	<1 g/l
-----	--------

Calculation based on a full mixed unit

Life Expectancy	6 years plus
-----------------	--------------

Subjected to Industrial Traffic. RSL terms and conditions will apply. Coatings may need to be re applied within this time.


Resin Surfaces Ltd Titan House, Lowick Close, Newby Road Industrial Estate Hazel Grove, Stockport. SK7 5ED 14
BSEN 13813 B 3.5 - AR 0.5 - IR>4 Resin coating/screed for use inside buildings as per RSL data sheet Wear resistance: AR 0.5 Bond strength: B 3.5 Impact resistance: IR > 4

Maintenance and Cleaning

RSL recommend that **Resupatch FH** 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

Resupatch 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 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.