REF : SEVF 2017 07

Resuseal VF

DESCRIPTION

Resuseal VF is a two pack water based epoxy resin floor coating with very low VOC content. The product has excellent adhesion to concrete, wood and other surfaces providing attractive, hard wearing dust free finishes. Resuseal VF can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement. Resuseal VF can be applied to new concrete, 7 days after being poured.

Grades available : Resuseal VF Satin
Resuseal VF Gloss
Resuseal VF Matt

ADVANTAGES

- Low odour
- Silica Free
- Superb adhesion
- Faster curing and Hard wearing
- Use as a floor sealer or primer
- Ultra-Low VOC
- Hygienic

RECOMMENDED USES

- As a seal coat for concrete
- Factory units
- Food units
- Suitable for plaster, asphalt and wood with correct preparation
- Excellent as a coating for previously painted surfaces
- Automotive workshops

PRODUCT INFORMATION

System thickness (recommended)	Solids content	Pack sizes	Pack make up	Shelf life	Storage
100-150 microns WFT 45-70 microns DFT	59-61% W/W Or 54-57% V/V	4.57 kg (Clear) 5 kg. & 10 kg. (Colour)	1 X Base 1 X Hardener	12 Months (Base & Hardener)	Keep out of direct sunlight. Store in a dry place, between 15°C -30°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate (Theoretical)	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
5 kg. will cover 37 m^2 @ 100 microns wet thickness	Up to 60 minutes from mixing	8-10 Hours	16 - 18 Hours	48 - 72 Hours	Up to 7 Days

Specification

Product : Resuseal VF

Finish : Satin/Gloss/Matt Finish

Thickness : 100-150 microns approximately per coat

Colour : See RSL Coatings Colour Chart

Products required for this system

Prime : Resuseal VF clear or colour where required

System : Resuseal VF Colour x 2 coats

Surface Seal : Not required

Preparation

Surfaces to be coated must be clean, sound, dry and free of any contaminants that could impair good adhesion. Substrate temperature should be between 5-30°C with humidity 70% RH maximum. Very cold and high humidity condition can cause a patchy finish and delay in curing and damage to final properties. To prevent this ensure good drying conditions prevail throughout the application and cure of the product.

New Concrete Floors: New concrete must be clean and sound and with surface laitance removed preferably by enclosed shot blasting or mechanical grinding, a minimum strength of 25N/ mm^2 is required. Open, porous substrates may benefit by priming with **Resuseal VF Clear**

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. Open, porous substrates may require priming with **Resuseal VF Clear.** Local repairs should be carried out using **Resupatch** or **Resuscreed 43**.

Resuseal VF can also be applied to existing coatings and to other cementitious screeds which should be clean and sound with an appropriate mechanical key for adhesion. Please Note: As a general rule for epoxies. Do not apply Resuseal VF on top of polyurethane coatings, as it may not adhere properly.
Resuseal VF can act as a curing membrane to increase hardness of concrete by allowing full hydration of cement. **Resuseal VF** can be applied to a new (green) concrete, 7 days after being poured.

Application

Resuseal VF can be applied by roller or brush to most surfaces, two coats are recommended to provide a uniform and even finish.
Pre-stir the base to ensure that any separation is re-dispersed. The entire contents of the hardener must be added to the base and mixed thoroughly preferably with a low speed hand held powered mixer and mixing paddle for a minimum of two minutes.
Care must be taken when mixing to ensure that the hardener is properly dispersed. Do not add water to this product.

Slip resistance can be improved by specifying a three coat system. The first coat of **Resuseal VF** being followed by one coat of **Resuseal VF** lightly scattered with anti slip aggregates whilst still wet, at a rate of 50/100 gm^2. When cured a second **Resuseal VF** coat can be applied. Alternatively one pack of **R.S. Beadgrip** can be added to each pack of **Resuseal VF** to achieve a fine non-slip texture.

For a high build floor system one coat of **Resuseal VF** can be applied followed by 1 or 2 coats of **Resucoat VF.**

Category Guide

FeRFA Category : 1

Technical Information

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

Slip Resistance	Dry > 60
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	45mg
Method BS8204 /ASTM D4060	
Temperature Resistance	Tolerant of sustained temperatures of up to 60°C
Chemical Resistance	Good chemical Resistance Consult RSL on specific materials
Compressive Strength	n/a
Flexural Strength	n/a
Tensile Strength	n/a
VOC	15 g/l calculation based on a full mixed unit
Life Expectancy	2-3 years plus Subjected to Industrial Traffic RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Resuseal VF** 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 & Grease Remover** and **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

Resuseal VF 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.

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