



REF : RPDF 2025/02

Resin Paint Deep Fill

DESCRIPTION

Resin Paint Deep Fill is a granite reinforced three component water-based polyurethane infill screed, designed to fill holes and indentations in a concrete subfloor prior to overlaying with Resin Paint self-smoothing and screed systems. Resin Paint Deep Fill can also be used to back-fill drainage channels and form falls or ramps in floors.

ADVANTAGES

- Hard wearing durable repairs for industrial use
- Can be applied upto 60mm in single application
- Minimum surface preparation
- High strength
- Fast cure
- Self sealing

RECOMMENDED USES

- Infilling pot holes
- Back filling drains
- Forming ramps
- Creating falls prior to over laying

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
Upto 60mm per application layer	100%	21 kg.	1x Base 1 x Hardener 1 x Aggregate	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
21 kg. will cover 1 m ² @ 9mm thickness	15 Minutes from mixing	8 Hours	6 – 8 Hours	48 hours	Up to 7 Days

Specification

Product : Resin Paint Deep Fill

Finish : Matt

Thickness : As required for installation

Colour : Grey,

Products required for this system

Prime : Resin Paint Primer TC

System : Resin Paint Deep Fill

Surface Seal : Not normally required

Preparation

To achieve best performance from **Resin Paint Deep Fill** the correct surface preparation is essential. Substrates must be clean, dry and free of surface laitance with a minimum strength of 25N/mm.

Surfaces must be prepared by vacuum blasting or mechanical abrasion. **Resin Paint Deep Fill** may be applied to substrates with a surface temperature in the range of 5-20°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

The prepared concrete should be primed with **Resin Paint Primer TC** which should be brushed well in.

Mixing

Resin Paint Primer TC is supplied in three component each which are pre-weighed and ready to use. Pour the contents of the hardener component into the base container and mix thoroughly with slow speed drill and mixing paddle. Combine the mixed resin component with the graded aggregate and mix suitable mixing drill and paddle. Mix for 2-3 minutes until a uniform material is achieved.

Application

Apply the **Resin Paint Deep Fill** in layers of up to 60mm. Ensure that the material is well compacted throughout its depth and that each layer is keyed together. At the top surface, compact and finish to the required depth below the final surface. After a minimum of 8 hours Resin Paint Screed S products can be laid to the required depth and finish.

Mix the base component to an even consistency. Thoroughly scrape the contents of the base and hardener components into the same container and mix thoroughly for one minute. Pour the combined base and hardener into a rotary drum mixer and add the aggregate component steadily, until a homogeneous mix of the three components is achieved.

Category Guide

FeRFA Category : 6

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 Resin Paint.

Abrasion Resistance	AR 0.5
Method BS8204 /ASTM D4060	

Temperature Resistance	Tolerant of sustained temperatures of up to 60°C
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Chemical Resistance	n/a
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Compressive Strength	75 N/mm ²
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Flexural Strength	17 N/mm ²
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Tensile Strength	5 N/mm ²
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VOC	48 g/l
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Calculation based on a full mixed unit
6 years plus, subject to industrial traffic. Resin Paint term apply

Life Expectancy	
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Health and Safety

Resin Paint Deep Fill 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 Paint Limited or its agents is based on the information supplied by the purchaser. Resin Paint 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.