



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## Resufil Data Sheet

### Specification notes

Product: **Resufil**

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# Resufil

REF : FIST 2011 05

## DESCRIPTION

Resufil 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 Resuthane self-smoothing and screed systems. Resufil can also be used to back-fill drainage channels and form falls or ramps in floors.

## ADVANTAGES

- Can be applied from 6mm to 60mm
- Fast curing
- Self sealing
- High strength
- Matt finish
- Food safe & non taint (Campden BRI Approved)
- Extremely hard wearing

## RECOMMENDED USES

- Infilling pot holes
- Back filling drains
- Creating ramps
- Food factories
- Kitchens
- Pharmaceutical & chemical plant processing
- Engineering factories

## PRODUCT INFORMATION

System Thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
6mm to 60mm	100 %	25 kg.	1 X Base 1 X Hardener 1 X Aggregate	12 Months (Base & Hardener) 3 Months (Aggregates)	Keep out of direct Sunlight. Store in a dry place, not below 15°

## DRYING TIMES & COVERAGE RATES at 20° C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
25 kg. will cover 1.1 sq m @ 10mm thickness	15 minutes (From Mixing)	8 Hours	6 - 8 Hours	48 Hours	3 - 5 Days



[www.resinsurfaces.co.uk](http://www.resinsurfaces.co.uk)

## Specification

Product : Resufil

Finish : Natural Speckled

Thickness : 6mm to 60mm

Colour : n/a

## Products required for this system

Primer : Resuprime / R.S. Contract Primer

System : Resufil

Surface Seal : n/a

**NB** All polyurethane systems based on MDI will yellow with time this is a surface discolouration under the effect of UV light and does not in any way affect the durability of the floor finish. Darker colours will not show this effect as much as light colours.

## Preparation

To achieve the best performance from **Resufil**, the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm<sup>2</sup>.

Pot holes must be clean and sound. Floor surfaces must be prepared by vacuum blasting or mechanical abrasion. **Resufil** 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

Surfaces should be primed with **Resuprime** at an average rate of 4 sq.m. per kg. **R.S. Dampshield** should be applied if the relative humidity of the concrete is greater than 75% RH at 4 sq.m. per kg, allow to cure for 8-12 hours @ 20°C.

## Application

When the primed surface is tack free **Resufil** should be applied at the required rate as soon after mixing as possible. (Delay can result in variation in surface finish, colour and give rise to application problems).

### **NB. Cure times are extended at low temperatures.**

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.

When the **Resuprime** has become tack free, apply the **Resufil** in layers of up to 60mm. Ensure that the material is well compacted throughout its depth and that each layer is keyed together. Allow 6-8 hours between layers. At the top surface, compact and finish to the required depth below the final surface.

After a minimum of 8 hours **Resuthane** products can be laid to the required depth and finish.

## Category Guide

FeRFA Category : n/a

## 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 80 °C @ 9mm
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Chemical Resistance	Excellent Chemical Resistance Consult RSL on specific materials
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Compressive Strength	n/a
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Flexural Strength	n/a
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Tensile Strength	n/a
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VOC	< 1 g/l
	Calculation based on a full mixed unit

Life Expectancy	10 years plus
	Subjected to Industrial Traffic RSL terms and conditions will apply

## Maintenance and Cleaning

**Resufil** is not normally used as a surface finish.

If cleaning RSL recommend that **Resufil** should be treated 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 & R.S. Oil Remover**.

All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to RSL Data Sheet CLNG for Cleaning Advice

## Health and Safety

**Resufil** 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.

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