



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Resupen Data Sheet

Specification notes

Product: **Resupen**

Supplier:

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REF : PEST 2011 05

Resupen

DESCRIPTION

Resupen Systems comprise of a range of high-grade polyurethane resin coatings designed to seal concrete in depth in either clear or coloured decorative finishes. The resultant surfaces are capable of withstanding extreme conditions including abrasion, impact and chemical attack. Resupen systems are non-dusting, impervious, oil/grease resistant and provide high chemical resistance.

Grades Available : **Resupen Std. 50** **For clear sealing & dustproofing of concrete**
 Resupen Coloured **For coloured sealing & dustproofing of concrete**
 Resupen 42 **For sealing bituminous surfaces**

ADVANTAGES

- Extremely tough and hard wearing
- Flexible
- Can be applied onto concrete, wood and etc.
- Anti-slip finishes can be created by applying a scatter of aggregate
- Excellent resistance to most fuels and lubricants

RECOMMENDED USES

- Reception areas
- Public buildings
- Pharmaceutical areas
- Retail outlets
- Dance halls
- Community buildings

PRODUCT INFORMATION

System thickness (dry)	Solids content by weight	Pack sizes	Pack make up	Shelf life	Storage
42-52 microns	50 %	5 litres & 25 litres	Resupen Std 50 Single Pack Resupen Coloured 1 X Base 1 X Colour Concentrate Resupen 42 Single Pack	12 months in sealed containers	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 litre will cover 40 sq m	Resupen Std 50 n/a Resupen Coloured 2-3 Hours Resupen 42 n/a	2 - 3 hours or once surface has lost tackiness	24 Hours	3 Days	7 days



www.resinsurfaces.co.uk

Specification

Product : Resupen
Finish : Gloss
Thickness : 65 microns
Colour : Translucent Brown

Products required for this system

Prime : n/a
System : Resupen
Surface Seal : n/a

Preparation

New Floors: New concrete must be clean, sound, dry and fully cured and surface laitence removed, preferably by shot blasting, mechanical abrasion. Moisture content should be checked prior to application. Do not apply to substrates with moisture readings of 75 % RH or above.

Existing Floors: Remove all dirt, oil, grease or other surface contaminants, preferably by shot blasting, scarification or mechanical planing. Fats, oils or greases must be removed by mechanical abrasion and detergent washing.

All local repairs should be carried out using **Resupatch** or similar.

Application

The ambient temperatures of the areas should 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 ideally to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: Stir thoroughly or mix using a slow speed electric mixer to ensure an even consistent unit.

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.

One or two coats of **Resupen** can be applied with a roller or brush. Slip resistance can be achieved by specifying a three coat system. The first coat of **Resupen Std. 50** being followed by one coat of **Resupen Colour**, lightly scattered with anti-slip at a rate of 50/100 gms. per sq.m. When dry a second coat of **Resupen Colour** can be applied.

Surfaces should be recoated 6-8 hours after application to ensure good intercoat adhesion. If more than 48 hours has elapsed mechanical preparation is required.

Resupen Std and Resupen Colour are solvent based materials and good ventilation should be maintained at all times. Do not use where open food may be present.

Category Guide

FeRFA Category : 2

Technical Information

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

Slip Resistance Dry > 40
Method BS7976 pt1-3 2002 Wet > 25

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 75 °C

Chemical Resistance Good.
Consult RSL for further details

Compressive Strength n/a

Flexural Strength n/a

Tensile Strength n/a

VOC 499 g/l

Calculation based on a full mixed unit

Life Expectancy 4 years plus

Subjected to Industrial Traffic
RSL terms and conditions will apply

Maintenance and Cleaning

RSL recommend that **Resupen** 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 RSL Data Sheet CLNG for Cleaning Advice

Health and Safety

Resupen 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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