

# Resuscreed 50

Epoxy resin floor screed



RESIN SURFACES LIMITED

## Product Data Sheet

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### DESCRIPTION

RESUSCREED 50 is a three component epoxy resin screed comprising base resin, hardener, and two bags of aggregate.

RESUSCREED 50 is a general purpose, epoxy resin screed, with good wearing properties and strong colour definition. Surface sealing with R.S. SCREED SEAL COATING is recommended.

Not normally recommended for use in wet or areas subject to high chemical attack.

### ADVANTAGES

- 1 Hard wearing and durable for general industrial areas such as engineering, warehouse and aerospace installations.
- 2 Easy to apply and work to achieve a good quality smooth surface.
- 3 Able to be used for localised repairs prior to resurfacing.
- 4 Decorative – available in an attractive range of colours.
- 5 Abrasion and impact resistant.

### WHERE TO USE

Light to medium duty industrial applications including engineering, warehouses, fork truck lanes and aerospace environments, where good abrasion resistance is required.

### GRADES AVAILABLE

RESUSCREED 50 is a mottled epoxy resin screed formulated to provide a hard wearing, seamless finish, suitable for application onto both new and existing floors, with excellent adhesion. Resuscreed 50 can be applied to concrete, wood and metal and other surfaces following appropriate preparation provided the substrate is sound, clean and firm.

### COLOURS

Available in Tile Red, Slate Grey, Mid-Blue, Mid-Green and Buff. Other colours are available on request.

### SYSTEM

R.S. TACK PRIMER

3 - 5 sq.m. per kg.

Resuscreed 50

4 mm nominal thickness -

8 kg/m<sup>2</sup>

6 mm nominal thickness -

12 kg/m<sup>2</sup>

R.S. Screed Seal

4 sq.m. per kg.

Resucoat HBSB

5 sq.m. per kg.

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## **CHEMICAL RESISTANCE**

The system will offer good chemical resistance, but if the finish coats become damaged, then chemical penetration may occur leading to breakdown. Please contact our Technical Department for specific information.

## **PHYSICAL PROPERTIES AT 20°C**

### **Pack Size**

50kg

### **Coverage 4mm & 6mm**

6.25m<sup>2</sup> per unit and 4.2 m<sup>2</sup> per unit

### **Workable life**

30-40 minutes

### **Resistant to foot traffic**

12-14 hours

### **Resistant to heavy traffic**

2 days

### **Full chemical cure**

7 days

### **Shelf life**

2 years in sealed containers

The surface should be protected from temperatures of less than 10 C and moisture in the early stages of cure.

Application conditions should be between 10°C and 30°C.

## **PREPARATION & APPLICATION**

Prepare the concrete by vacuum shot-blasting and then prime with R.S.Tack Primer.

On porous substrates a further application of primer may be required.

## **MIXING**

Transfer the hardener component into the resin component and completely mix in a forced action mixer, until an even colour is achieved. Then slowly add the 2 bags of aggregate, until evenly wetted out.

Resuscreed 50 is applied into the wet primer and spread to an even thickness and closed with a steel float.

The Resuscreed 50 is porous and requires sealing with one coat of R.S.Screed Seal which is a thixotropic seal applied to the cured Resuscreed 50, by squeegee and lightly rolled off to leave an even finish.

The Resuscreed 50 system is finally finished off with a coat of RESUCOAT HBSB.

## **MAINTENANCE**

RESUSCREED 50 should be cleaned by use of mild alkali detergents with gentle scrubbing. Care should be taken to ensure that the surface is well rinsed to remove residues and prevent a build-up of detergent.

## **HYGIENE**

RESUSCREED 50 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. Please see below.

In all cases spillage 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.

## **Consult Safety Data Sheet Ref. HSCC.**

The information given in this data sheet is derived from tests and experience, and is believed to be reliable. The information is offered without guarantee to enable the purchaser to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the company is based on the information supplied by the purchaser. Resin Surfaces Limited can not be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertaking can be given against infringements of patents.