



ARCON CONSTRUCTION SUPPLIES

PRODUCT DATA SHEET

Resuscreed 43



SPECIFICATION INFORMATION:

Resuscreed 43
Resin Surfaces Ltd.
Arcon Construction Supplies
19-20 Prestwood Court
Leacroft Road
Birchwood
Warrington
WA3 6SB

Email: mail@arconsupplies.co.uk
Tel: 01925 85 2225
Web: www.arconsupplies.co.uk

For technical help, prices, specification / application advice

call: UK (+44) 01925 85 2225

or

email: mail@arconsupplies.co.uk

Applications & alternative products:

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www.arconsupplies.co.uk/product-list



REF : SC43 2013 07

Resuscreed 43

DESCRIPTION

Resuscreed 43 is a heavy duty, epoxy resin floor screed, with high chemical resistance and strong colour definition. Sealing is necessary where impervious finishes are required. Resuscreed 43 is normally laid at a 6mm nominal thickness.

ADVANTAGES

- Low odour, safe to install into food production areas
- Hard wearing durable floor for Industrial Use
- Ease of application
- Can be used as a levelling or repair system
- Decorative - available in an attractive range of colours
- Good slip - resistance properties
- Excellent abrasion and impact resistance
- Good chemical resistance

RECOMMENDED USES

- Chemical production and storage
- Printing and packaging areas
- Engineering facilities
- Automotive industry
- Aerospace production areas
- Industrial workshops

PRODUCT INFORMATION

System thickness (dry)	Solids content	Pack sizes	Pack make up	Shelf life	Storage
4 mm to 9 mm	100%	22.25 Kg. 44.5 Kg.	22.25 kg. unit - 1 X Base 1 X Hardener 44.5 kg. unit - 1 X aggregate bag as above , 2 X aggregate bag	12 Months (Base & Hardener) 12 Months (Aggregate)	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
22.25 kg. will cover 2 sq m @ 6mm 44.5 kg. will cover 4 sq m @ 6mm	Including Aggregate (30 Mins)	For Seal Coats 12–16 Hours (Depending on Temperature)	24 Hours	72 Hours	Up to 7 Days



Specification

Product : Resuscreed 43

Finish : Light Textured Coloured Finish

Thickness : 6 mm

Colour : Available in a Range Colours

Products required for this system

Prime : Resuprime /R.S Dampshield

System : Resuscreed 43 at required thickness

Surface Seal : R.S. Screed Seal followed by Resucoat HB and or Resupen WB

Preparation

To achieve the best performance from **Resuscreed 43** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm². All surfaces must be prepared by vacuum blasting or mechanical abrasion.

Priming

Resuscreed 43 can be applied onto a wet tack coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 sq.m. per kg. Very rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a tack coat is applied. Alternatively the surface of the wet primer can be scattered with a coarse grade kiln dried sand such as 14/25 mesh and then allowed to cure. **Resuscreed 43** must then be applied within 24 hours.

If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (number of coats dependent on moisture content).

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.

Resuscreed 43 is composed of base resin, hardener and aggregate components. Premix the base unit to ensure a uniform colour. The resin and hardener must be completely mixed by slow speed, forced action mixer and the aggregate then added slowly. The complete mix should be spread evenly and compacted on the floor to the required weight, or thickness, and trowelled smooth. Over-trowelling should be avoided or resin-rich spots may be created.

Resuscreed 43 should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down. Over-working the material will draw fines to the surface which may result in resin-rich spots and finish variations.

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

Resuscreed 43 is normally sealed by the application of one coat of **R.S. Screed Seal Colour** at a rate of 3-4 sq m per kg. This would be followed by followed by a further coat of **Resucoat HB Colour** at a rate of 3-4 sq m per kg. Rates of coverage for coatings vary depending on the uniformity and density of the screed.

Coving

At 100mm nominal height, one 44.5 kg. unit of **Resuscreed 43** will typically form up to 20 linear Meter's of coving with a 100mm base and full radius. This must be applied onto a tack coat of **R.S. Tack Primer** in the same way as for a floor finish, coving can be taken to a height of 300 mm if required.

All coving can be sealed using a variety of seal coats listed in the RSL range.

Category Guide

FeRFA Category : 6

Technical Information

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

Slip Resistance Dry > 64

Method BS7976 pt1-3 2002 Wet > 35

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 60°C

Chemical Resistance Good.
Consult RSL for Further details

Compressive Strength 80N/mm²

Flexural Strength 20N/mm²

Tensile Strength 20N/mm²

VOC 34 g/l
Calculation based on a full mixed unit

Life Expectancy 6 years plus
Subjected to Industrial Traffic
RSL terms and conditions will apply



Resin Surfaces Ltd

Titan House, Lowick Close, Newby Road Industrial Estate
Hazel Grove, Stockport. SK7 5ED

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BSEN 13813 SR B 3.5 - AR 0.5 - IR > 4

Resin coating/screed for use inside buildings as per RSL data sheet

Wear resistance: AR 0.5

Bond strength: B 3.5

Impact resistance: IR > 4

Maintenance and Cleaning

RSL recommend that **Resuscreed 43** 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

Resuscreed 43 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.

Tel : + 44 (0) 161 483 1232 Fax: + 44 (0) 161 483 2565
Email : info@resinsurfaces.co.uk Web : www.resinsurfaces.co.uk
Registered in England : 1659941 Vat No : GB 373 485 624