Resuscreed QS

(Formerly known as Decora MS)

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DESCRIPTION

Resuscreed QS is a decorative epoxy resin floor screed incorporating multi-coloured aggregates, designed to produce a hard wearing, attractive, impervious sealed surface. The system is applied at 4mm minimum thickness and then sealed with clear resins to provide a matt or gloss finish.

ADVANTAGES

- Decorative
- Hard wearing & durable
- Ease of application
- Low odour
- Good slip resistant properties
- Excellent abrasion and impact resistance
- Good chemical resistance

RECOMMENDED USES

- Buildings where a seamless decorative finish is required
- Pharmaceutical areas
- Animal compounds and veterinary areas
- Toilets and reception areas
- Healthcare industry
- Production areas
- Prisons and police cells
- Industrial workshops

PRODUCT INFORMATION

System Thickness (Recommended)	4-6mm
Solids Content by Weight	100%
Pack Sizes	28kg
Pack Make Up	1 x Base 1 x Hardener 1 x Resuscreed QS Aggregate
Shelf Life	36 months (Base, Hardener & Aggregate)
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	28kg will cover 3.5m^2 at 4mm thickness *Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life	30 Minutes
Recoating Intervals	8 Hours
Light Traffic	24 hours
Full Traffic	72 hours
Full Chemical Cure	7 days

Specification

Product : Resuscreed QS

Finish : Light textured multi-coloured finish

Recommended thickness range : 4–6 mm

Colour : Limited colour range, please consult Sherwin-Williams

Products required for this system

Prime : Resuprime ST or use Resuprime MVT on damp surfaces where required

System : Resuscreed QS at required thickness

Surface Seal : Resucoat GC followed by Resutop Clear and an optional coat of Resupen WB Clear Matt where a matt finish is required.

Preparation

New Concrete Floors: New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm2 is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resuscreed PA**.

Existing Floors (previously coated)
All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. if the old resin flooring cannot be removed, then please consult with our technical team for advice on inter-coat adhesion and suitability, as it may not be compatible with existing floor coating.

Timber Floors : Must be clean, sound, dry . Old clear varnish/topcoat must be removed/sanded prior to application, as it may affect the inter-coat adhesion with **Resuscreed QS**.

Priming

Open and porous substrates may require priming with **Resuseal WB**, also **Resuprime ST** may be used as primer on dry substrates only with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203.

The number of coats to be applied is chosen in accordance with the following table.

ERH %	Required Coating Thickness
75-85	1 coat of Resuprime MVT at 200 microns per coat
85-92	2 coats of Resuprime MVT at 200 microns per coat
92-97	3 coats of Resuprime MVT at 200 microns per coat

For further information please refer to recommended individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 15°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 10°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: Mix the entire contents of base with the hardener, if using a separate mixing vessel then ensure the entire contents of the base and hardener are emptied out of the buckets supplied. 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. The mixed unit should be applied immediately after mixing. Apply to pre-primed areas and level between battens as necessary with a steel float, alternatively a sledge can be used set at the required thickness.

Resuscreed QS 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, colour and finish variations.

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

Coving can be formed in advance of the floor laying process, and or at the same time. Where laid in advance a join line may be visible between the cove and floor.
At 100mm nominal height, one 28 kg unit of **Resuscreed QS** will typically form up to 10 linear meters of coving which must be applied onto a wet primer coat of **Resuprime MVT** to achieve maximum adhesion.

Seal Coats:
Resuscreed QS is normally sealed with the application, by squeegee, of one coat of **Resucoat GC** at a rate of 3-4m^2/kg. This would be followed by a coat of **Resutop Clear** at a rate of 3-5m^2/kg. The optional **Resupen WB Clear Matt** is applied at a rate of 10m^2/L to provide a flat matt finish. Please refer to individual product datasheets for coverage rates, recoat and traffic times.

Category Guide

FeRFA Category : 6

Technical Information

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

Slip Resistance	Dry > 55
Method BS7976 pt1-3 2002	Wet Please consult Sherwin-Williams

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 Sherwin-Williams.

Abrasion Resistance	AR0.5
Method BS EN 13892-4:2002	
Temperature Resistance	Tolerant of temperatures up to 60°C
Chemical Resistance	Good chemical resistance Consult Sherwin-Williams on specific materials
VOC	34 g/l Calculation based on a full mixed unit
Life Expectancy	Up to 6 years Subjected to Industrial Traffic Sherwin-Williams terms and conditions will apply.

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BSEN 13813 SR B 3.5 - AR 0.5 - IR>4
Resin coating/screed for use inside buildings as per data sheet

Wear resistance:	AR 0.5
Bond strength:	B 3.5
Impact resistance:	IR > 4

Maintenance and Cleaning

Sherwin-Williams recommend that **Resuscreed QS** 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, W500 Degreaser** & **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.
Please refer to the Sherwin-Williams Guide to Cleaning of Resin Floors

Health and Safety

Resuscreed QS 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.

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