



## PROTECTIVE & MARINE COATINGS

# Resuflor Q Screed

## PRODUCT TECHNICAL DATA

(Formerly known as Resuscreed QS)

### PRODUCT DESCRIPTION

Resuflor Q Screed 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. Resuflor Q Screed can be used to form coved skirting at the same time as the floor is installed for seamless floor to wall finish.

### ADVANTAGES

- Decorative
- Hard wearing and durable
- Ease of application
- Low odour
- Excellent abrasion and impact resistance
- Slip resistant
- Can be used to form coving and falls
- Good chemical resistance

### RECOMMENDED USE

- Buildings requiring decorative seamless finish
- Pharmaceutical areas
- Animal compounds and veterinary areas
- Prisons and police cells
- Reception areas and toilets
- Healthcare industry facilities
- Industrial workshops
- Production areas

### PRODUCT DATA

<b>Volume Solids:</b>	~100%
<b>VOC:</b>	<34 g/l calculated per full mixed unit
<b>Colours:</b>	See SW colour guide
<b>Finish:</b>	Decorative smooth screed
<b>Flash Point:</b>	N/A
<b>Cleanser/Thinner:</b>	Thinning not recommended
<b>Pack Size:</b>	28 kg
<b>Pack Weights:</b>	2 kg base, 1 kg hardener, 25 kg aggregate (28 kg)
<b>Mixing Ratio:</b>	2 parts base to 1 part hardener to 25 parts aggregate by weight only
<b>Mixed Density:</b>	Approximately 2.10 g/cm <sup>3</sup>
<b>Shelf Life:</b>	36 months (Base, hardener & aggregate)
<b>Storage:</b>	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C. Aggregates must be stored in a dry area to prevent contamination by moisture, as this will have a detrimental effect on the product.

#### Application at 20°C

For seal coats:	8 hours
Light Traffic:	24 hours
Full Traffic:	72 hours
Full Chemical Cure	7 days

**Pot Life:** 30 minutes from mixing, based  
on 28 kg pack size

*The pot life may be shorter for larger pack sizes if the product is not  
used within the pot life limit.*

**Note:** All mixed product must be used within the pot life time limit, if the  
product is left in the container after mixing and not used, it may release  
hazardous fumes due to exothermic reaction.

**Coverage Rate:** 28kg will cover 3.5m<sup>2</sup> at 4mm thickness  
(Theoretical)

*Coverage rate is calculated based on a sealed and smooth surface  
and may vary based on the substrate roughness and other conditions.*

**System Thickness:** 4-6 mm  
(Recommended)

*The suggested thickness range is calculated based on average volume  
solid as a general recommendation for the specified condition and for  
each application may vary.*

**Recommended  
Application Methods:** Trowel or float



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#### SURFACE 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/mm<sup>2</sup> 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 making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resuflor Patch**.

**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 intercoat adhesion and suitability, as it may not be compatible with the existing floor coating.

#### PRIMING

Open and porous substrates should be primed with one or two coats of **Resuprime ST** to ensure a sealed surface. Substrates should be dry with a moisture content of less than 75% ERH reading. **Duraplate 301W** should be used as a primer onto steel substrates where appropriate.

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. Please refer to the table below for required number of coats to achieve proper moisture tolerance.

#### ERH% Required Coating Thickness

75-85	1 coat of Resuprime MVT at 200 µm per coat
85-92	2 coats of Resuprime MVT at 200 µm per coat
92-97	3 coats of Resuprime MVT at 200 µm per coat

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

#### MIXING

Mix the entire contents of **Resuflor Q Screed Base** with **Resuflor Q Screed 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.

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 the installation.

#### APPLICATION

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.

**Resuflor Q Screed** 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 **Resuflor Q Screed** 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.

*See Sherwin-Williams **Resuflor Deco Quartz TG System** Guide for recommended floor systems.*

#### TECHNICAL INFORMATION

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

<b>Category Guide:</b>	FerFA Category 6
<b>Bond Strength:</b> (BS EN 13892-8:2002)	>3 N/mm <sup>2</sup> (Substrate failure)
<b>Temperature Resistance:</b>	Tolerant of temperatures up to 60°C
<b>Abrasion Resistance:</b> (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)
<b>Reaction to Fire:</b> (EN 13501-1:2018)	Bfl-s1
<b>Compressive Strength:</b> (BS EN 13892-2:2002)	56 N/mm <sup>2</sup>
<b>Flexural Strength:</b> (BS EN 13892-2:2002)	0.8 N/mm <sup>2</sup>
<b>Tensile, Strength:</b> (BS EN 6319-7:1985)	5.9 N/mm <sup>2</sup>
<b>Slip Resistance:</b> (BS 7976-2:2002+A1:2013)	<36 (low slip potential in wet/dry conditions)
<b>Impact Resistance:</b> (BS EN 1504-2:2004)	Class II

## CE MARK



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**BSEN 13813 SR B 3.0 - AR 0.5 - IR>4**  
Resin coating/screed for use inside buildings as per data sheet  
Wear resistance: AR 0.5  
Bond strength: B 3.0  
Impact resistance: IR > 4

## WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.  
The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

## DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

## HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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