Protective & Marine Coatings
PRODUCT DATA SHEET

RESUFLOR™ Q SCREED

05/2023 Issue 6 – REF: SQMS

PRODUCT DESCRIPTION

Resuflor™ Q Screed is a decorative epoxy screed incorporating coloured aggregates encapsulated in a clear epoxy resin.
Can be used to form an integral coved skirting in the same operation for a seamless floor to wall finish.

ADVANTAGES

- Decorative
- Hard wearing and durable
- Ease of application
- Low odour
- Abrasion resistant
- Seamless finish
- Can be used to form coving and falls

RECOMMENDED USE

A wide range of industrial applications such as:

- Buildings requiring decorative seamless finish
- Pharmaceutical areas
- Animal compounds and veterinary areas
- Commercial buildings
- Reception areas and toilets
- Healthcare industry facilities
- Showrooms

PRODUCT DATA

Volume Solids: ~100%

VOC: <34 g/l calculated per full mixed unit

Colours: See SW colour guide

Finish: Gloss and Matt

Flash Point: N/A

Cleanser/Thinner: Thinning not recommended

Pack Size: 28 kg

Pack Weights: 2 kg base, 1 kg hardener, 25 kg aggregate

Mixing Ratio: 2 parts base to 1 part hardener to 25 parts aggregate by weight only

Mixed Density: ~2.10 g/cm³

Shelf Life: 36 months (Base, hardener & aggregate)

Storage: Keep out of direct sunlight. Store in a dry place, between 15°C and 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.

Recommended Application Methods: Trowel or float.

Typical Properties at 20°C:
Cure Times
Minimum overcoating time: 8 hours
Light Traffic: 24 hours
Full Traffic: 72 hours
Full Chemical Cure: 7 days

Pot Life: 30 minutes from mixing
Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption:
2.1kg/m² per mm thickness
The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanised equipment. Contained shot-blasting, planning or scarifying to CSP 4-6, for detailed information, refer to ICRI Guideline No.310.2R-2013.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.

Weak concrete must be removed, and local repairs carried out.

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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15 - 30°C throughout the application and the curing period, otherwise this could have an adverse effect on the appearance and colour of the system.

Surface temperature must be above 10°C. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming.

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RECOMMENDED SYSTEMS

Open and porous substrates should be primed with one or two coats of primer to ensure a sealed surface.

Resuprime™ ST may be used as primer on dry substrates with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH Resuprime™ MVT or Dampepox may be used, please contact Sherwin-Williams for a specification.

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

MIXING AND APPLICATION

Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous. For larger areas, pour the mixture into a rotary drum mixer and add the aggregate component steadily, mixing for a minimum of 3 minutes until a homogeneous mix is obtained.

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.
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 may draw excess resin to the surface resulting in colour and surface texture variations.
Coving can be formed in advance of the floor laying process or at the same time. Where laid in advance a join may be visible between the cove and floor.
At 100 mm 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.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Type 6

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

Abrasion Resistance: AR 0.5 (Less than 50 µm wear)
(BS EN 13892-4:2002)

Reaction to Fire: Bfl-s1
(EN 13501-1:2018)

Compressive Strength: 56 N/mm²
(BS EN 13892-2:2002)

Flexural Strength: 10.1 N/mm²
(BS EN 13892-2:2002)

Tensile Strength: 5.9 N/mm²
(BS EN 6319-7:1985)

Slip Resistance: <36 (low slip potential in wet/dry conditions)
(BS 7976-2:2002+A1:2013)

Impact Resistance: Class II
(BS EN 1504-2:2004)

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 Safety Datasheet for information on safe storage and handling of this product.

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BS EN 13813 SR B3.0-AR0.5-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