PROTECTIVE & MARINE COATINGS

Resuflor SLX

PRODUCT TECHNICAL DATA

(*Formerly known as Resuflor VF*)

PRODUCT DESCRIPTION

Resuflor SLX is a self levelling epoxy resin seamless floor finish with low VOC content, with non dusting aggregates designed to provide a flat hard wearing gloss finish 2-3 mm in thickness following the profile of the existing floor. The system gives aesthetically pleasing results with good chemical resistance and durability.

ADVANTAGES

- Seamless
- Silica free
- High-build finish
- High solids
- Hygienic and easily cleaned
- Excellent ease of decontamination
- Ease of application
- Excellent high gloss finish
- Good chemical resistance
- Smooth finish for precise operation equipment
- Excellent abrasion and impact resistance

RECOMMENDED USE

- Pharmaceutical production
- Printing and packaging areas
- Television studios
- Automotive production
- Domestic studios
- Industrial workshops
- Medical and healthcare
- Factory units

PRODUCT DATA

Volume Solids:	~100%
VOC:	<100 g/l calculated per full mixed unit
Colours:	See Resuflor colour chart
Finish:	Smooth gloss
Flash Point:	N/A
Cleanser/Thinner:	Thinning not recommended
Pack Size:	29.52 kg
Pack Weights:	6.63 kg base/2.89 kg hardener/20 kg Filler SL1 (29.52 kg)
Mixing Ratio:	2.2 parts base to 1 part hardener to 6.9 parts aggregate by weight only
Mixed Density:	Approximately 1.90 g/cm³
Shelf Life:	36 months (Base, hardener & aggregate)
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 20°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

Recoating Intervals: lost	12 – 16 hours or once surface has tackiness
Light Traffic:	12 – 16 hours
Full Traffic:	24 – 36 hours
Full Chemical Cure	7 days
Pot Life:	25 – 30 minutes from mixing, based on 29.52 kg pack size

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: 29.52 kg will cover 7.8 m² @ 2mm thickness or 5.2 mm thickness @ 3mm 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: 2 – 3mm

(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: Roller, brush and squeegee

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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/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 making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resuflor Patch**.
Exisitng 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.
Where **Resuflor SLX** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

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.

APPLICATION CONDITIONS

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.

The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure.
This could adversely affect the flow, levelling and surface finish of **Resuflor SLX**.

*See Sherwin-Williams **Resuflor Topfloor X** System Guide for recommended floor system using **Resuflor SLX**.*

MIXING AND APPLICATION

Pre-mix the **Resuflor SLX** Base to a uniform colour, then mix the entire contents of base with the **Resuflor SLX** Hardener. If a separate mixing bucket is being used ensure all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately one to two minutes until the two components have fully combined then add the aggregate slowly.

Mix for a further 1-2 minutes until the aggregate has fully combined and there are no lumps. The mixed unit should be applied immediately.

Resuflor SLX should be worked with a trowel or float to achieve an even smooth finish. This is best achieved by the application of smooth even pressure with the compound poured over the correct coverage rate after fixing the stop ends to control the flow of the material.
Then roll the area with a spiked roller to achieve an even smooth surface and remove entrapped air. Do not re-roll the area later than 10-15 mins.

TECHNICAL INFORMATION

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

Category Guide:	FerFA Category 5
Bond Strength: (BS EN 13892-8:2002)	>3 N/mm² (Substrate failure)
Temperature Resistance:	Tolerant of temperatures up to 60°C
Abrasion Resistance: (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)
Reaction to Fire: (EN 13501-1:2018)	Bfl-s1
Compressive Strength: (BS EN ISO 604:2003)	42.6 MPa
Flexural Strength: (BS EN ISO 178+A1:2013)	45 N/mm²
Tensile Strength: (BS EN ISO 527-2:2012)	20 N/mm²
Impact Resistance: (BS EN 1504-2:2004)	Class II
Ease of Decontamination (ISO 8690:1988	Excellent

CE MARK

CE

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BS EN 13813 :2002 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

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.