



Resuflor FX

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DESCRIPTION

Resuflor FX is a self-smoothing polyurethane modified epoxy resin floor finish designed to provide a hard wearing gloss finish between 2.5 - 3 mm thickness which has a degree of seamless flexibility.

ADVANTAGES

- Tough & seamless with a degree of flexibility
- Hard wearing durable floor for industrial use
- Ease of application
- Hygienic
- Decorative - available in an attractive range of colours
- Excellent abrasion and impact resistance
- Good chemical resistance
- Smooth finish for precise operating equipment

RECOMMENDED USES

- Buildings with plywood or chipboard floor substrates
- Retail outlets
- Printing and packaging areas
- Television studios
- Mezzanine areas
- Nightclubs
- Domestic studios

PRODUCT INFORMATION

System Thickness (Recommended)	2.5 - 3mm
Solids Content by Weight	100%
Pack Sizes	29.5kg
Pack Make Up	1 x Base 1 x Hardener 1 x Filler SL1 Aggregate
Shelf Life	12 months (Base, Hardener & Aggregate)
Storage	Keep out of direct sunlight. Store in a dry place, not below 15°C.

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	5 sq m per 29.5kg unit @ 3mm 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	24 - 32 hours
Light Traffic	48 hours
Full Traffic	96 hours
Full Chemical Cure	10 - 14 days



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Specification

Product: Resuflor FX

Finish: Smooth Gloss

Recommended thickness range: 2.5 -3 mm

Colour: Available in a range of colours, please consult Sherwin-Williams

Products required for this system

Primer: Resuprime NT / R.S. Dampshield

System: Resuflor FX at required thickness

Surface Seal: Not required

(Optional Resupen WB Matt for a matt finish or Resudeck with aggregate for a non-slip finish)

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 **Resupatch**.

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 existing floor coating.

Where over-coating other systems such as epoxy coatings or screeds, as part of a specified composite system in the data sheets, please follow the recoat time as stated in the individual data sheets, the coating in each stage should be tack free, but not fully cured. If fully cured then mechanical preparation is required to ensure intercoat adhesion.

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 **Resuflor FX**.

Priming

Open and porous substrates will require priming with **Resuprime NT** on dry substrates only with less than 75% ERH reading.

Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield** or **R.S. Dampshield FH** 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 R.S.DAMPShield or DAMPSHIELD FH at 200 microns per coat

85-92 2 coats of R.S.DAMPShield or DAMPSHIELD FH at 200 microns per coat

92-97 3 coats of R.S.DAMPShield or DAMPSHIELD FH 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: Pre-mix the coloured component (base) to a uniform colour, then mix the entire contents of base with the 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 FX 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 15-20 mins.

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 FX.

Application / Continued ...

Optional Anti-Slip Finish

An anti-slip finish can be created by applying one coat of **Resudeck** to the cured surface, and then scattering a fine aggregate onto the surface

Category Guide

FeRFA Category : 5

Technical Information

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

Slip Resistance	Dry > 50
Method B57976 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 n/a


Method BS8204 /ASTM D4060

Temperature Resistance Tolerant of sustained temperatures of up to 60°C

Chemical Resistance Good chemical Resistance Consult Sherwin-Williams for specific materials.

VOC 95 g/l calculated per full mixed unit

Life Expectancy Up to 5 years Subjected to Industrial Traffic Sherwin-Williams terms and conditions will apply.

	
Sherwin-Williams Protective & Marine Tower Works, Kestor Street, Bolton BL2 2AL, United Kingdom Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115	
16	
BSEN 13813 SR B 2 - 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 **Resuflor FX** 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, Oils 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 the Sherwin-Williams Guide to Cleaning of Resin Floors

Health and Safety

Resuflor FX 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

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 Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams 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.

Sherwin-Williams Protective & Marine
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom,
Tel : + 44 (0) 1204 521771 F: + 44 (0) 1204 382115
W : Sherwin-williams.com/protectiveEMEA
Registered in England : Reg. No. 893081
Reg. Office Tower Works, Kestor Street, Bolton BL2 2AL England