



A **SHERWIN-WILLIAMS** Company



REF : FLDM 2016 06

Resufloor DM

DESCRIPTION

Resufloor DM is a self-smoothing epoxy resin seamless floor finish 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 chemical resistance and durability.

ADVANTAGES

- Seamless
- 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

- Pharmaceutical production
- Printing and packaging areas
- Television studios
- Automotive production
- Nightclubs
- Domestic studios
- Industrial workshops

PRODUCT INFORMATION

System Thickness (dry)	Solids Content	Pack Size	Pack Make Up	Shelf life	Storage
2 mm to 3 mm	100%	30 kg.	30 kg. - 1 X Base 1 X Hardener 1 X Aggregate bag	12 Months (Base & Hardener) 12 Months (Aggregate)	Keep out of direct sunlight. Store in a dry place, not below 15°C

DRYING TIMES & COVERAGE RATES at 20°C

Coverage rate	Pot life	Recoat time	Light traffic	Full traffic	Full chemical cure
7.5 m ² @ 2mm thickness or 5 m ² @ 3mm thickness per 30 kg. unit	Including Aggregate 30 Mins	For non-slip seal coats 12-16 Hours (Depending on Temperature)	24 Hours	72 Hours	7 Days



Specification

Product : Resuflor DM

Finish : Smooth coloured profile

Thickness : 2 - 3 mm

Colour : Available in a range colours

Products required for this system

Prime : Resuprime /R.S Dampshield

System : Resuflor DM at required thickness

Surface Seal : Not Required

(Except for Resupen WB Matt for a matt finish or Resucoat HB with aggregate for a non-slip finish)

Preparation

To achieve the best performance from **Resuflor DM** the correct surface preparation is essential. Substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25N/mm². All surfaces must be prepared by vacuum blasting or mechanical abrasion.

Priming

Resuflor DM should be applied onto a cured coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 m²./kg. Rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a second coat is applied. It is essential the primer coat seals the substrate so no air pockets or cavities remain.

If substrates have moisture levels above 75% RH prime the surface with **R.S.Dampshield** (number of coats dependent on moisture content).

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. Material and surface temperature must be above 10°C.

Mixing : Pre-mix the coloured component to a uniform colour then mix the entire contents of the 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 or until the two components have fully combined then add the aggregate bag or bags and mix together.

The mixed unit should be applied immediately.

Resuflor DM should be worked with a trowel or float to achieve an even smooth finish. This is best achieved by the application of a smooth even pressure with the compound poured over the correct coverage rate after fixing any stop ends to control the flow of the material.

After 10 - 20 minutes roll the area with a spiked roller to achieve an even smooth surface and remove entrapped air. Do not re-roll the area later.

Optional Anti-Slip Finish

An anti-slip finish can be created by applying one coat of **Resucoat HB** to the cured surface, and then incorporating a fine aggregate into this whilst wet. This can then be sealed with a top coat of **Resucoat HB** if required.

Resutile is recommended as a top coat in areas where very high chemical resistance is required. Please see Data Sheet for **Resutile**.

NB: All epoxy resin based systems will with time show slight surface discolouration under the effect of UV light this does not in any way affect the durability of the floor finish. Darker colours will not show this effect as much as light colours.

Category Guide

FeRFA Category : 5

Technical Information

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

Slip Resistance Dry > 60
Method BS7976 pt1-3 2002 Wet Please consult RSL

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 RSL.

Abrasion Resistance n/a

Method BS8204 /ASTM D4060

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

Chemical Resistance Good.
Consult RSL for Further details


Compressive Strength 70 N/mm²

Flexural Strength 23 N/mm²

Tensile Strength 18 N/mm²

VOC 100 g/l
Calculation based on a full mixed unit

Life Expectancy 5 years plus
Subjected to Industrial Traffic
RSL 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 RSL data sheet Wear resistance: AR 0.5 Bond strength: B 3.5 Impact resistance: IR > 4

Maintenance and Cleaning

RSL recommend that **Resuflor DM** 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 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 RSL Guide to Cleaning of Resin Floors

Health and Safety

Resuflor DM 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.

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 Resin Surfaces Limited or its agents is based on the information supplied by the purchaser. Resin Surfaces Limited 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.

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