



A **SHERWIN-WILLIAMS** Company



REF : SQMS 2016 11



DESCRIPTION

Decora MS 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 resin to provide a Matt or Gloss finish.

ADVANTAGES

- Decorative
- Hard wearing and durable
- Ease of application
- Low odour - safe for application in hygiene conscious areas
- Available as matt or gloss
- Good slip resistance properties
- Excellent abrasion and impact resistance
- Good chemical resistance
- Non-dusting

RECOMMENDED USES

- Buildings where a seamless decorative finish is required
- Pharmaceutical areas
- Animal compounds and veterinary areas
- Toilets and reception areas
- Healthcare industry
- Production areas
- Industrial workshops

PRODUCT INFORMATION

| System thickness (dry) | Solids content | Pack sizes | Pack make up | Shelf life | Storage |
|------------------------|----------------|------------|--|--|---|
| 4 mm to 6 mm | 100% | 28 Kg. | 28 kg. unit - 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 |
|----------------------------------|-------------------------------|---|---------------|--------------|--------------------|
| 28 kg. will cover 3.5 sq m @ 4mm | Including Aggregate (30 Mins) | For Seal Coats 8 Hours (Depending on Temperature) | 24 Hours | 72 Hours | Up to 7 Days |



Specification

Product : Decora MS

Finish : Light Textured Multi-Coloured Finish

Thickness : 4 - 6 mm

Colour : Available in a Range Colour Blends

Products required for this system

Prime : Resuprime or R.S Dampshield

System : Decora MS at required thickness

Surface Seal : R.S. Screed Seal Clear followed by Resutop Clear and Resupen WB Matt Clear

Preparation

To achieve the best performance from **Decora MS** 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

Decora MS can be applied onto a wet or cured coat of **Resuprime** solvent free epoxy resin primer, normally applied at 4 sq.m. per kg. Very rough or porous surfaces may require an extra coat of **Resuprime** which should be allowed to dry before a tack coat is applied. Alternatively the surface of the wet primer can be scattered with a coarse grade kiln dried sand such as 14/25 mesh and then allowed to cure. **Decora MS** must then be applied within 24hours.

If substrates do 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 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.

Decora MS 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 variations in the surface finish.

The surface should be protected from temperatures of less than 10°C and moisture during application and through the curing process.

Seal Coats

Decora MS is normally sealed with the application by squeegee of one coat of **R.S. Screed Seal** at a rate of 3-4 sq m per kg. This would be followed by a roller coat of **Resutop Clear** at a rate of 3-5 sq m per kg. This will typically achieve a slightly mottled textured finish. If a very smooth profile is required a further coat of **Resutop Clear** should be applied at 5 sq m per kg. **Resutop Clear** provides a Gloss finish which can be used as the wearing coat for **Decora MS**, but it is usually completed with a further roller application of **Resupen WB Clear Matt** to provide an even flat finish. This is effective in minimizing any floor undulations. Whilst providing a more scratch and abrasion resistant surface.

Coving

Coving can be formed in advance of the floor laying process, and or at the same time. Where laid in advance a joinline may be visible between the cove and floor.

At 100mm nominal height, one 28 kg. unit of **Decora MS** will typically form up to 10 linear meters of coving which must be applied onto a **Resutack EP** in the same way as for a floor finish.

Category Guide

FerFA Category : 6

Technical Information

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

Slip Resistance Dry > 50
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 Chemical Resistance
Consult RSL for Further details

Compressive Strength 47.5N/mm²


Flexural Strength 20.5N/mm²

Tensile Strength 10.9N/mm²

VOC 33 g/l

Calculation based on a full mixed unit

Life Expectancy 6 years plus
Subjected to Industrial Traffic
RSL terms and conditions will apply

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| Resin Surfaces Ltd Titan House, Lowick Close, Newby Road Industrial Estate Hazel Grove, Stockport. SK7 5ED |
| 13 |
| 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 **Decora MS** 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

Decora MS 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.