



PROTECTIVE & MARINE COATINGS

Resuprime MP

PRODUCT TECHNICAL DATA

PRODUCT DESCRIPTION

Resuprime MP is an economic filled two-pack solvent-free epoxy resin primer. It is designed for easy application with good surface wetting properties. Resuprime MP is principally designed as a scratch coat primer for use prior to the application of screeds and coating systems. Due to its application characteristics, Resuprime MP can fill surface defects in concrete substrates reducing the surface profile.

ADVANTAGES

- Ease of application
- Versatile
- Pre-filled
- Low odour
- Excellent adhesion
- Solvent free

RECOMMENDED USE

- Scratch coat concrete primer and sealer
- As a primer for Resuflor Screed, Resuflor Q Screed, Resuflor SLX and Resuflor HB

PRODUCT DATA

Solids content:	100 %
VOC content:	164 g/l calculated per full mixed unit
Colours:	Neutral / cloudy
Finish:	Dependant on substrate
Pack Size:	25 kg
Pack Weights:	20.85 kg base / 4.15 kg hardener
Mixed Density:	Approximately 1.51 g/cm ³
Shelf Life:	36 months (Base and Hardener)
Storage:	Keep out of direct sunlight. Store in a dry place between 15 °C and 30 °C
Recommended Application Methods:	Brush, roller, trowel or squeegee

Cure Times & Coverage Rates at 20°C

Recoating Interval:	8 hours or once surface has lost tackiness
Light Traffic:	18 – 24 hours
Full Traffic:	48 hours
Full Chemical Cure	7 days
Pot Life:	30 minutes from mixing followed by immediate use according to the application instructions

Note: All mixed material must be used within the pot life time. If the paint is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Coverage Rate: 25 kg will cover 110m² @ 150 µm (Theoretical) thickness or 66m² @ 250 µm
Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.

System Thickness: (Recommended) 150 - 250 µm

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.



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SURFACE PREPARATION

Resuprime MP provides excellent coverage and adhesion as a primer. Where surfaces are very porous, an initial coat of **Resuprime MP** may be required as a pre-primer before a second coat is applied.

Do not apply **Resuprime MP** to substrates with a relative humidity of 75% or above. Substrates with a high moisture content should alternatively be primed with **Dampepox WBC T50** or **Resuprime MVT** (number of coats dependant on moisture content – see separate data sheet).

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 compressive strength of 25N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old coatings or any other surface contaminants by vacuum enclosed shot blasting, scarification or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing making sure all residue of detergent is washed away by rinsing with clean water. Local repairs should be carried out using **Resufloor Patch** or **Resufloor Screed**. If the substrate appears weak and dusts easily, the matrix of the screed can be strengthened using **Resuprime Binder**, a low viscosity binder formulated for the repair of defective substrates (see separate data sheet).

Existing Floors (previously coated): All previous coatings and loose floor paints must be removed by mechanical preparation as described above and primed as specified. If the old resin flooring cannot be removed then please consult with our technical team for advice on inter-coat adhesion and suitability, as the product may not be compatible with the existing floor coating.

APPLICATION AND MIXING	TECHNICAL INFORMATION
<p>The ambient temperatures of the area should not be allowed to fall below 10°C throughout the application and curing period as this could have an adverse effect on the appearance and physical properties of the system. Surface temperature must be above 8°C.</p> <p>Where possible, it is recommended that the application area is heated to a minimum temperature of 15°C to allow the ambient and substrate temperature to stabilise prior to installation.</p> <p>Mix the entire contents of the base with the hardener using a low speed electric mixer for approximately two to three minutes until the two components are fully combined. If a separate mixing bucket is being used, mix thoroughly ensuring that the entire contents of both components are removed from the original containers supplied.</p> <p>The mixed material should be applied immediately by trowel for scratch coating and by roller or brush for lower consumption rates as necessary. If used as a base coat for a coatings without a broadcast, floor areas should be cross-rolled to ensure even application and to minimise roller marks.</p>	<p>The following data is obtained from laboratory tests and our experience with this product.</p> <p>Category Guide: FeRFA Category 2</p> <p>Bond Strength: >3 N/mm² (Substrate failure) (BS EN 13892-8:2002)</p> <p>Temperature Resistance: Tolerant of temperatures up to 60°C</p>
WARRANTY	DISCLAIMER
<p><i>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.</i></p> <p><i>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.</i></p>	<p><i>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.</i></p>

HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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This datasheet is specifically subject to the disclaimer which can be found at: <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>