



RESUPRIME™ MP

05/2023 Issue 5 – REF: PRMP

PRODUCT DESCRIPTION

Resuprime™ MP is an economical filled two-pack, high-solids epoxy resin primer. 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

RECOMMENDED USE

A wide range of industrial applications such as:

- Scratch coat concrete primer and sealer
- As a primer to a wide range of Sherwin-Williams high performance flooring products.

PRODUCT DATA

Solids content: ~100%

VOC content: 164 g/l calculated per full mixed unit

Colours: Opaque

Cleanser/Thinner: Do not thin
RS Epoxy Solvent for cleaning only

Pack Size: 25 kg

Pack Weights: 20.85 kg base / 4.15 kg hardener

Mixed Density: ~1.51 g/cm³

Shelf Life: 36 months (base and hardener)

Storage: Keep out of direct sunlight.
Store in a dry place between 5°C and 30°C.

Recommended Application Methods:
Brush, roller, trowel or squeegee.

Typical Properties at 20°C:

Cure Times

Minimum recoating interval: 8 hours or once surface has lost tackiness

Light Traffic: 18 to 24 hours

Full Traffic: 48 hours

Full Chemical Cure: 7 days

Pot Life: 30 minutes from mixing

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption:

0.3 - 0.5 kg/m².

The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

SURFACE PREPARATION

Where surfaces are very porous, an initial coat of Resuprime™ MP may be required as a pre-primer before a second coat is applied.

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanical means depending on surface profile required.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.

Weak concrete must be removed, and local repairs carried out.



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APPLICATION AND MIXING

Mixing:

Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 to 400 rpm) for 1 to 2 minutes until homogeneous.

Application:

The mixed unit should be applied immediately by roller, brush or squeegee with a consistent procedure. Where being used a scratch coat, application by trowel is recommended.

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 Dampexox™ or Resuprime™ MVT

TECHNICAL INFORMATION

The following data is obtained from laboratory tests and our experience with this product.

Category Guide: FeRFA Type 2

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

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 Safety Datasheet for information on safe storage and handling of this product.

Sherwin-Williams UK Limited, Protective & Marine Division
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom.

T: +44 (0)1204 521771 F: +44 (0)1204 382115

W: <https://industrial.sherwin-williams.com/emea/gb/en/resin-flooring.html>

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