



PROTECTIVE & MARINE COATINGS

Revised 08/2020 Issue 3 – REF : CLHB

Resucoat LM

PRODUCT TECHNICAL DATA

PRODUCT DESCRIPTION

Resucoat LM is a fast curing high-build epoxy coating system for application of demarcation lines, hazard warning logo's, hatching and direction for pedestrian and truck routings. The coloured high gloss finish is hard wearing and has good general chemical resistance. Resucoat LM can be applied to a wide variety of surfaces and finishes subject to appropriate preparation. Resucoat LM is designed to be applied by brush, roller or trowel to tapes and markers with the minimum of creep, even on textured surfaces.

ADVANTAGES

- High-build line marking in one application
- Minimal creep at line edges
- Fast setting on curing
- Low odour solvent free
- Hygienic and easily cleaned
- Good colour stability

RECOMMENDED USE

- Food processing and beverage line marking
- Chemical plant room line marking
- Engineering workshop line marking
- Automotive & aviation line marking
- Factory unit line marking
- Excellent for all demarcation and walkways

PRODUCT DATA

Volume Solids:	~100%
VOC:	<74 g/l calculated per full mixed unit
Colours:	Black, Savannah, White, Forest, Poppy
Finish:	Smooth gloss
Flash Point:	N/A
Cleanser/Thinner:	N/A
Pack Size:	2.5 kg
Mixing Ratio:	6.8 parts base to 1 part hardener by weight only
Pack Weights:	2.18kg base/0.32kg hardener (2.5kg)
Mixed Density:	Approximately 1.6 g/cm ³
Shelf Life:	36 months (Base) & 24 Months (Hardener)
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C
Recommended Application Methods:	Brush, roller or trowel

Application at 20°C	
Recoating Intervals:	4-5 hours or once surface has lost tackiness
Light Traffic:	8 – 10 hours
Full Traffic:	24 – 36 hours
Full Chemical Cure	Up to 7 days
Pot Life:	15 – 20 minutes from mixing, based on 5 kg pack size <i>The pot life may be shorter for larger pack sizes if the paint is not used within the pot life limit.</i>
Note: All mixed paint must be used within the pot life time limit, if the paint is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.	
Coverage Rate:	2.5 kg will cover 62 Linear metres at 240 microns x 100 mm wide (Theoretical) <i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>
System Thickness: (Recommended)	200 – 500 µm <i>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.</i>



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SURFACE 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 making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **Resuscreed PA**.

Coated Surfaces: Prepare surface to ensure that there is an adequate mechanical key. Care should be taken to ensure compatibility between the existing surface and **Resucoat LM**.

Set out all line markings as required, marking positions with tape or chalk as appropriate. Ensure that all surfaces are prepared before mixing and only mix materials as required.

APPLICATION	APPLICATION CONDITIONS																
<p>Mixing: Mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two to three minutes until the two components are fully combined. The mixed unit should be applied immediately by roller, brush or squeegee with a consistent procedure. Floor areas should be cross rolled to ensure even application and to minimise roller marks.</p> <p>Application methods should be selected based on the size and area to be covered, and the thickness of the line to be applied. Short or medium pile good quality rollers or brushes should be used, or straight edges such as trowels can be used if applying to tapes. Spread the material rapidly and then roll to finish. Remove tapes shortly after application, by pulling across the line. Do not hold bulk materials in a pot or scuttle, as this increases the rate of reaction reducing the working time. Ensure that rollers are changed regularly to prevent cure of materials in the roller.</p>	<p>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 the installation.</p> <p>Resucoat LM is not normally recoated, if required re-coat as soon as the surface is tack free (i.e. 4 hours onwards). For the best inter-coat adhesion Resucoat LM should be applied not later than 24 hrs after previous coatings.</p>																
RECOMMENDED SYSTEMS	TECHNICAL INFORMATION																
<p>See Sherwin-Williams System Sheets for recommended floor systems.</p> <p>Open and porous substrates may require priming with Resuseal WB, also Resuprime ST may be used as primer on the dry substrates only with less than 75% ERH reading.</p> <p>Where the Relative Humidity of a substrate exceeds 75% ERH Resuprime MVT should be specified. Please refer to the table below for required number of coats to achieve proper moisture tolerance.</p> <table> <tr> <th>ERH%</th><th>Required Coating Thickness</th></tr> <tr> <td>75-85</td><td>1 coat of Resuprime MVT at 200 µm per coat</td></tr> <tr> <td>85-92</td><td>2 coats of Resuprime MVT at 200 µm per coat</td></tr> <tr> <td>92-97</td><td>3 coats of Resuprime MVT at 200 µm per coat</td></tr> </table> <p>For further information please refer to recommended individual product data sheets.</p>	ERH%	Required Coating Thickness	75-85	1 coat of Resuprime MVT at 200 µm per coat	85-92	2 coats of Resuprime MVT at 200 µm per coat	92-97	3 coats of Resuprime MVT at 200 µm per coat	<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <table> <tr> <td>FeRFA Category:</td><td>Category 2</td></tr> <tr> <td>Bond Strength: (BS EN 13892-8:2002)</td><td>>3 N/mm² (Substrate Failure)</td></tr> <tr> <td>Temperature Resistance:</td><td>Tolerant of temperatures up to 60°C</td></tr> <tr> <td>Chemical Resistance:</td><td>Good - contact Sherwin-Williams about specific materials</td></tr> </table>	FeRFA Category:	Category 2	Bond Strength: (BS EN 13892-8:2002)	>3 N/mm ² (Substrate Failure)	Temperature Resistance:	Tolerant of temperatures up to 60°C	Chemical Resistance:	Good - contact Sherwin-Williams about specific materials
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WARRANTY	DISCLAIMER																
<p>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.</p> <p>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.</p>	<p>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.</p>																

HEALTH AND SAFETY

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

Sherwin-Williams Protective & Marine Coatings, Tower Works, Kestor Street, Bolton, Lancashire BL2 2AL United Kingdom

T: 01204 521 771 E: sales.uk@sherwin.com www.resinflooring.sherwin.eu

Registered in England 1659941 VAT GB 373 485624

www.sherwin-williams.com/protectiveEMEA

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