

Mapefloor SL

Self-levelling epoxy coating

PRODUCT DESCRIPTION

Mapefloor SL is a three component self-levelling, solvent free epoxy for use on concrete floors or steel substrates.

Mapefloor SL contains fillers and gives highly abrasion and chemical resistant, watertight, seamless coatings.

Mapefloor SL HD is a variant which contains a higher loading of filler with a larger particle size.

Mapefloor SL HD is similar to the standard product **Mapefloor SL** but contains a different type of filler.

AREA OF USE

Mapefloor SL can be used as flooring in all types of industry, workshops and warehouses.

WORKING INSTRUCTIONS

Preparation

The surface of the concrete must be clean and mechanically sound. Abrasive blasting or milling are suitable methods of surface preparation. Before coating, the concrete must be dust free and dry. Steel surfaces must be sand blasted to a purity of SA 2.5 and coated before the steel oxidises.

Priming

Use **Mapeprimer BP** or **Universal** as primer. Bonding is ensured by broadcast the wet, uncured primer with dry quartz sand or by wet on wet application i.e. whilst the epoxy is still very tacky. If a smooth floor surface without non-skid protection is required use **Mapeprimer W** as primer.

Mixing

The three components should be between 15-25°C before mixing. Mix comp. A and comp. B well together before adding SL filler (comp. C). Comp. A should be stirred before mixing. Use a slow powerful drill with whisk attachment and mix the components well for 3-4 minutes.

Thin coating – self-levelling coating

After mixing apply **Mapefloor SL**, alternatively **Mapefloor SL HD** using suitable tools e.g. levelling rake, steel trowel etc. Apply **Mapefloor SL** in coats of 1-2 mm thickness.

Use of a spiked roller or paint roller to remove air bubbles is recommended.

Thick coating – Multicoating

Apply **Mapefloor SL**, alternatively **Mapefloor SL HD** first as a self-levelling coating and saturate immediately with dry, clean quartz sand. After curing and removal of excess sand grind uneven surfaces lightly before applying the next coat. After curing, saturate the sand dressed surface with **Mapefloor SL** to give the required surface finish. Thicknesses of 3-10 mm can be built up in multiple coats.

Cleaning

Rescon Mapei Tynner can be used for cleaning. Cured material must be removed mechanically.

N.B!

Heating which generates high concentrations of CO₂, may lead to sticky, discoloured surfaces.

SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate HSE datasheet at www.resconmapei.com.

WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

All deliveries from Rescon Mapei AS are made in accordance with the sale and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement.



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TECHNICAL DATA	
<p>Product specifications:</p> <p>Colour:</p> <p>Specifi weight:</p> <p>Dry solids content:</p> <p>Shore D at 20°C:</p> <p>Industrial hygiene ventilation requirement group:</p> <p>Gloss:</p> <p>Chemical resistance:</p> <p>Inflammable:</p> <p>Packaging:</p> <p>Storage:</p>	<p>Standard: Grey 31 (NCS 2502-B), see separate colour chart</p> <p>SL HD: ca. 1.7 kg/ltr.</p> <p>SL: ca. 1.55 kg/ltr.</p> <p>100 %</p> <p>60 after 24 hours</p> <p>85 after 7 days</p> <p>0</p> <p>Glossy</p> <p>Good</p> <p>No</p> <p>Mapefloor SL is available in 20.2 kg sets i.e. 7 kg comp. A i 20 l containers, 3.2 kg comp.B in 5 l tins and 10 kg SL-filler (comp.C) in bags.</p> <p>Mapefloor SL HD is available in 5.2 kg sets, i.e. 7 kg comp. A, 3.2 kg comp. B og 15 kg filler HD (comp. C).</p> <p>Stored in unpoened packaging between +5°C-20°C product properties remain unchanged throughout the first 18 months. Pigment in the resin may however precipitate and it must therefore be stirred thoroughly before use to avoid patchy colouring.</p>
<p>Application data:</p> <p>Mixing ratio:</p> <p>Pot life:</p> <p>Working temperature:</p> <p>Curing time at 20°C:</p>	<p>Mapefloor SL: Comp. A : comp. B : comp. C= 7 : 3.2 : 10 by weight</p> <p>Mapefloor SL HD: Comp. A : comp. B : comp. C = 7 : 3.2 : 15 by weight</p> <p>Approx. 50 min. at 20°C</p> <p>Min. 12°C, both substrate and air temperature</p> <p>Non-tacky after 5 hours, set to pedestrian traffic after 24 hours, fully hardened after 6 days. Can be painted over within 20 hours.</p>

Thickness without primer (mm)	SL first coat (kg/m ²)	Sand first dressing (kg/m ²)	SL second coat (kg/m ²)	Sand second dressing (kg/m ²)	SL top-coat (kg/m ²)	SL total consumption (kg/m ²)	AREA OF USE
1	1,6					1,6	Flooring with light loading, warehouses, works, manufacturing industry, laboratories, corridors
1,5	2,4					2,4	
2	1,1	1,8 – 2,3			1,2	2,3	For medium / heavy loading, warehouses, manufacturing industry, areas with truck driving
3	1,8	3,0 – 3,8			1,2	3,0	
4	2,5	4,1 – 5,5			1,2	3,7	
5	3,3	5,6 – 6,7			1,2	4,5	For heavy loading, chemical engineering, food industry, mechanical industry, vertical stacked warehouses.
6	1,8	3,0 – 3,8	3,0	3,0 – 3,8	1,2	6,0	
7	2,5	4,1 – 5,5	3,0	3,0 – 3,8	1,2	6,7	

The sand consumption given in the table is dependent upon variations in methods of broadcasting and removal of excess sand. From experience the best results are achieved with dry, clean quartz sand 0.4 – 0.8 mm.

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