

PRODUCT DESCRIPTION

Mapecoat I is a solvent free, two component, low viscosity epoxy system cured with a formulated polyamine.

Mapecoat I paint also contains pigments and filler. The product is available in several colours, see colour chart.

The product consists of:

Comp. A (resin)

Comp. B (hardener)

AREA OF USE

Paint for concrete surfaces.

Well suited for flooring in warehouses, industry, cellars and balconies, purification plants, agricultural buildings etc.

WORKING INSTRUCTIONS

Preparation

The best results are achieved on firm, dry, pore free concrete surfaces. Usual methods of surface preparation include grinding, shot blasting or sand blasting. The substrate must be vacuum cleaned before coating.

For old floors the amount of contamination must be evaluated before starting chemical washing combined with high pressure water jetting or degreasing with Rescon Mapei **Tynner** prior to other surface treatments, if required.

Flame cleaning can also be used.

The concrete should be dry, and the migration of moisture should be evaluated. If water condenses under the coating bonding may be impaired. The temperature of the concrete should be at least +10°C. Optimal working conditions are between +20-25°C.

To ensure that moisture does not condense on the surface of the concrete or beneath the first coat check that the surface temperature is at least 3°C above the dew point temperature before application.

Measurements of relative humidity and air temperature are necessary.

Mixing

Comp. A (resin) and comp. B (hardener) should be between +15-25°C before mixing. Combine the two components and mix with a slow drill with whisk attachment for 3-4 minutes. When mixing **Mapecoat I** particular care should be taken to mix well at the bottom and sides of the container.

Thin coating

Apply 0.2-0.3 kg/m² **Mapecoat Universal** as primer using a roller, followed by a coat 0.2-0.5 kg/m² of **Mapecoat I** within 18 hours. For anti-skid surfaces the first coat should be sprinkled with fine sand (e.g. 0-0.5 mm) before hardening.

Pores on vertical surfaces can be filled with **Maepoxy MS** or **Maepoxy Cem-S**.

Decorative coating

Apply 0.2-0.4 kg/m² **Mapecoat I** with a roller or brush.

Sprinkled coloured flakes in the required amount and colour immediately onto the wet epoxy. Excess flakes can be brushed off the following day and a coat 0.2-0.3 kg/m² of **Mapecoat Universal** applied.

Cleaning

Tools can be cleaned immediately with Rescon Mapei **Tynner** or spirit.

N.B!

Heating which generates high concentrations of CO₂ may result in tacky, discoloured surfaces.

SAFETY INSTRUCTIONS

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



Produsent:

Rescon Mapei AS
Vallsetvegen 6, 2120 Sagstua, Norway
Tlf: +47 62 97 20 00 Fax: +47 62 97 20 99
post@resconmapei.no
www.resconmapei.com

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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 of an order.

TECHNICAL DATA**Product specifications:**

Specific weight:	Approx. 1,25 g/cm ³
Viscosity 20°C:	Approx. 2000 mPa · s
Pot-life 20°C:	Approx. 25 min.
Colour:	See colour chart
Shore D	80
24 hours:	85
7 days:	
Packaging:	1, 4 og 12 kg sets
Mixing ratio Mapecoat I (coloured), comp. A : comp. B	(0,75 : 0,25 by weight) 3 : 1 by weight (9 : 3 by weight)
Curing:	Mapecoat I will be dust-dry after 20 hours at 20°C. Heavy traffic should wait for 4 – 5 days. Avoid contact with water during the early stages as this can give water spots, i.e. surface discolouration. Lower temperatures require longer curing times and the risk of chalking is greater. Minimum application temperature is +5°C.
Storage:	Stored frost free in original packaging the product has a minimum shelf life of 24 months.

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