



Mapecoat L-L

Two-component low viscosity rapid curing epoxy primer



WHERE TO USE

Mapecoat L-L can be used as a primer for epoxy and polyurethane coatings on critical substrates.

Mapecoat L-L is normally applied on concrete and other cement-based substrates.

Mapecoat L-L also has good adhesion on steel substrates.

TECHNICAL CHARACTERISTICS

Mapecoat L-L can be used where the concrete surface is dry, and provides very good adhesion for the subsequent coating or top coat.

Mapecoat L-L does not contain benzyl alcohol or any other plasticizers.

Mapecoat L-L complies with the principles defined in EN 1504-9 standards ("Products and systems for protecting and repairing concrete structures. Definitions, requirements, quality control and conformity assessment. General principles for the use and application of systems"), and the requirements of EN 1504-2 ("Protection systems for concrete surfaces") for class: products for protecting surfaces - coating (C) – PI, PR and CR.

Mapecoat L-L complies with EN 13813.

APPLICATION PROCEDURE

Preparation of the substrate:

The concrete must be sound, clean and dust-free with a smooth permanent surface. Normal cleaning methods such as milling, grinding or shot blasting can be used. The substrate's surface temperature should be at least +10 °C and at least 3 °C above the applicable dew point during product application.

Preparation of the product:

Components A and B should have a temperature of +15 °C or more when mixed together. Component B is poured into component A and mixed with a drill whisk at a slow speed for approximately 3 minutes until the product is completely homogenous.

Mapecoat L-L has a short pot life, and the reaction is extremely exothermic and the product may boil up even in relatively small volumes after mixing. It is therefore important to apply the product quickly.

The product must not be thinned!

Application of the product:

Mapecoat L-L should be applied using a roller or trowel in one or two coats, depending on the substrate. The primer is rapid curing, and the next application step must be applied while the primer is still fresh. In any other case the fresh primer should be dressed with a light layer of dry **Sand 0.4 to 0.8 mm** (grain-to-grain) in order to ensure good adhesion for the subsequent coating.

Mapecoat L-L: Is a two-component low viscosity rapid curing epoxy primer.
The product complies with specifications in EN 13813 and EN 1504-2 Coating (C) principles: PI, PR and CR

TECHNICAL DATA (typical values)

PRODUCT DETAILS		Component A	Component B
Color:		transparent	black
Apperance:		liquid	liquid
Density (g/cm³):		1.12	0.91
Brookfield viscosity at +23°C (mPa•s):		approx. 1 200	approx. 20
APPLICATION DATA			
Color of mix:		transparent black	
Mixing ratio:		3:1 component A: component B	
Consistency of the mix:		liquid	
Density of the mix (kg/m³):		1 070	
Brookfield viscosity of the mix (mPa•s):		approx. 240	
Application temperature range:		+10°C - 30°C	
FINAL PROPERTIES (7 days at +23°C and 50% R.H)			
Potlife (EN 9514):		5-7 minutes	
Step on time:		approx. 6 hours	
Performance Characteristics	Test method	Requirements according to EN 13813 for synthetic resin screeds	Product performer
Bond strength:	EN 13892-8:2004	> 1.5 N/mm²	> 4.7 N/mm²
Performance Characteristics	Test method	Requirements according to EN 1504-2	Product performance
Pull-off test. Reference substrate: MC (0.40) as specified in EN 1766, curing time 7 days:	EN 1542	Average (N/mm²) Crack-bridging or flexible systems with no traffic: ≥ 0.8 (0.5) with traffic: ≥ 1.5 (1.0) Rigid systems with no traffic: ≥ 1.0 (0.7) with traffic: ≥ 2.0 (1.0)	> 4.7 N/mm²

PLEASE NOTE!

If the product is applied in areas with a high concentration of CO₂, high moisture and/or temperatures less than 3 degrees above dew point, this might lead to a sticky and discoloured surface. Before any further treatment, this must be removed and the surface coated after a new layer of primer is applied.

CLEANING

Tools and equipment must be washed immediately after use with **Spesialtynner**, ethanol or other cleaning agent suited for epoxy. Once hardened the product may only be removed mechanically.

CONSUMPTION

Consumption is approximately 0.1 – 0.3 kg/m² per coat, depending on the temperature and the substrate's coarseness and absorption.

PACKAGING

2 kg set: Component A = 1.5 kg and component B = 0.5 kg

STORAGE

Properties for use are not changed for a period of 24 months if stored between + 5 and + 30 °C in unopened in original packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE!**NOTE**

Although the technical details and recommendations contained in this product data sheet 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 application: 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.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.no

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.no

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

**All relevant references
for the product are available
upon request and from
www.mapei.no**

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