



Mapecoat I 600 W

**Two-component,
transparent epoxy
primer in water
dispersion**



WHERE TO USE

Mapecoat I 600 W is specifically formulated as a primer for **Mapecoat I 500 W** when used to form self-levelling, vapour-permeable epoxy coatings (**Mapecoat System 53**).

Some application examples

- Adhesion promoter for absorbent, porous cementitious substrates.
- As a primer for **Mapecoat I 500 W** (**Mapecoat System 53**).

TECHNICAL CHARACTERISTICS

Mapecoat I 600 W is a two-component, transparent, water dispersed epoxy-resin based finish in water dispersion primer, made according to a formula developed in MAPEI's own R&D laboratories.

After preparation and dilution with water, **Mapecoat I 600 W** may be applied either by spraying, with a roller or with an airless spray, at a variable thickness from 60 to 100 µm.

Mapecoat I 600 W can be applied on concrete substrates without a vapour barrier.

RECOMMENDATIONS

- Do not dilute **Mapecoat I 600 W** with solvents.
- Do not apply **Mapecoat I 600 W** on friable surfaces.

- Do not apply **Mapecoat I 600 W** if the temperature is lower than +8°C or higher than +35°C.

APPLICATION PROCEDURE

Preparation of the substrate

The surfaces to be treated must be sound and compact. Completely remove all irregular or loose material, cement laitance, dust, paint, oil, form-release compounds and any other contamination material from the surface of the substrate.

Concrete with oil or grease impregnated in the surface must be thoroughly cleaned with a 10% water and soda solution or with detergent, and thoroughly rinsed a number of times with plenty of clean water.

If the oil or grease has penetrated deeper down into the substrate, the contaminated concrete must be removed by scarifying. The substrate must then be repaired by applying a special mortar from the **Mapecoat** range.

Preparation of the product as primer for Mapecoat I 500 W

To prepare the product, pour component A into the container with component B and mix with a low-speed drill with a blending attachment until a homogenous mix is obtained. Dilute the product with water at a ratio of 1:1 and mix with a drill for at least 3 minutes.

Application of the product as a primer for Mapecoat I 500 W

Mapecoat I 600 W is applied homogeneously in a single coat using a medium or long-haired roller. Wait 3-4 hours before applying **Mapecoat I 500 W** (**Mapecoat System 53**).

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	transparent	opaline
Appearance:	liquid	liquid
Density (g/cm ³):	1.10	1.00
Viscosity at +23°C (mPa·s):	1,600 ÷ 2,700 (# 2 - 10 rpm)	7,000 (# 6 - 20 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	component A : component B = 2.3 : 3.6	
Colour of mix:	opaline	
Consistency of the mix:	fluid	
Dry solids content (%):	70	
Density of mix (kg/m ³):	1,100	
Viscosity of the mix (mPa·s):	4,500	
Pot life:	2-3 hours	
Application temperature range:	from +8°C to +35°C	
FINAL PERFORMANCE		
Touch dry (at +23°C - 50% R.H.):	3-4 h (first coat) 6-8 h (second coat)	
Final setting time:	7 days	

Cleaning

Tools and equipment used to prepare and apply **Mapecoat I 600 W** must be cleaned with cold water immediately after use. Once it has set, the product may only be removed mechanically.

CONSUMPTION

300-500 g/m², depending on the absorbency rate of diluted product.

PACKAGING

5.9 kg and 11.8 kg kits:
component A = 2.3 kg and 4.6 kg;
component B = 3.6 kg and 7.2 kg.

STORAGE

Mapecoat I 600 W can be stored for 24 months in its original packaging in a dry place, and at a temperature of at least +5°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat I 600 W part A is irritant for the skin and the eyes and can cause sensitization to those predisposed.

Mapecoat I 600 W part B is corrosive and can cause damages to the eyes.

When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

Then **Mapecoat I 600 W** part A is also hazardous for aquatic life. Do not dispose of these products in the environment.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

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.com



All relevant references for the product are available upon request and from www.mapei.com



**Mapecoat
I 600 W**



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