

Mapecoat I 600 W

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



WHERE TO USE

Mapecoat I 600 W has been specially developed to form a transparent, protective, dust-repellent film, which is applied directly on cementitious floors as an impregnator or as a primer for **Mapecoat I 500 W** (**Mapecoat System 53**).

Some application examples

- Dust-repellent and waterproofing finish for cementitious floors.
- Waterproof and oil-resistant protective layer for cementitious self-levelling products such as **Ultratop**.
- As a primer for **Mapecoat I 500 W** (**Mapecoat System 53**).

TECHNICAL CHARACTERISTICS

Mapecoat I 600 W is a two-component, opaque, water dispersed epoxy-resin based finish in water dispersion, made according to a formula developed in MAPEI's own research 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 gun, at a variable thickness from 60 to 100 µm. Once dry, it gives the substrate a "wet-look" finish.

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

RECOMMENDATIONS

- Do not apply **Mapecoat I 600 W** if there is the likelihood of rain (the product may be washed away).

- 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 +5°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 for impregnation

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. To prepare the first coat, dilute the product with water at a ratio of from 1:3 to 1:4, according to the absorbency of the substrate. The second coat, on the other hand, must be diluted at a ratio from 1:1 to 1:3. After adding the water, mix **Mapecoat I 600 W** with a drill for at least 3 minutes.

TECHNICAL DATA (typical values)		
PRODUCT DETAILS		
	component A	component B
Colour:	transparent	opalescent
Appearance:	liquid	liquid
Density (g/cm³):	1.10	1.00
Viscosity at +23°C (mPa·s):	3,000	7,000
Hazard classification according to Directive 1999/45 CE:	irritant, hazardous for the environment.	irritant
	Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet	
Maximum COV content according to Directive 2004/42 EC (g/l):	5	
Storage:	24 months in its original, unopened packaging	
Customs class:	3209 90 00	
APPLICATION DATA (at +23°C – 50% R.H.)		
Mixing ratio:	component A : component B: = 2.3 : 3.6	
Colour of mix:	opalescent	
Consistency of the mix:	fluid	
Dry solids content (%):	70	
Density of mix (kg/m³):	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 PERFORMANCES		
Touch dry (at +23°C - 50% R.H.):	3-4 h (first coat) 6-8 h (second coat)	
Step-on time (+23°C - 50% R.H.):	24 h	
Final setting time:	7 days	

Application of the product for impregnation

Mapecoat I 600 W is applied homogenously in two coats using a medium or long-haired roller, by traditional spraying or with an airless spray-gun. Wait 3 to 4 hours between the first coat and the second coat, depending on the surrounding air temperature and humidity level. High temperatures and low humidity levels allow the waiting time to be reduced. Low temperatures and high humidity levels, on the other hand, lengthen the waiting time.

Preparation of the product as a primer for Mapefloor 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. Then dilute the product with water at a ratio of 1:1 and mix thoroughly with the drill for at least 3 minutes.

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

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

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

- For impregnation: 60-100 g/m² per coat, according to the absorbency.
- As a primer: 300-500 g/m², according to the absorbency.

PACKAGING

5.9 kg kits:
component A = 2.3 kg;
component B = 3.6 kg.

STORAGE

The product 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

Components A and B of **Mapecoat I 600 W** irritate if they come into contact with the eyes or skin. Component B may also cause serious damage if it comes into contact with the eyes. While handling the product, we recommend protecting the eyes and face and the use of protective gloves. If the product comes into contact with the skin or eyes, wash immediately with plenty of water and, if necessary, seek medical attention. Component A of **Mapefloor I 600 W** is also hazardous for aquatic life: do not dispose of the product in the environment.

FOR PROFESSIONALS.

WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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

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