

Mapecoat I 620 W

Two-component water-based epoxy coating with a shiny finish, for concrete floors and cementitious substrates, to provide an anti-dust, oil resistant finishing treatment, and as a coating for epoxy systems



Mapecoat I 620 W is specially formulated to form a shiny, protective anti-dust and anti-oil film, which is applied directly onto concrete or cementitious systems, such as **Ultratop**.

Some application examples

- Anti-dust finish on concrete floors.
- Finishing product for resin floors, such as **Mapecoat System 53**.
- Finishing product for **Ultratop**, for a water-repellent, anti-dust and anti-oil surface on the substrate without altering the natural colour of the **Ultratop** system.

TECHNICAL CHARACTERISTICS

Mapecoat I 620 W is a solvent-free, two-component, low-yellowing water-based epoxy coating, produced according to a formula developed in MAPEI's own R&D Laboratories.

Mapecoat I 620 W is applied using a roller or *airless* spray system, at various thicknesses from 100 to 150 microns. After hardening, it offers excellent resistance to abrasion. If an anti-slip finish is required, add from 5 to 10% by weight of **Mapecoat Filler** to **Mapecoat I 620 W**, according to the degree of anti-slip finish required.

RECOMMENDATIONS

Do not apply **Mapecoat I 620 W**:

- on dusty, crumbling or irregular surfaces;

- on greasy surfaces or surfaces subject to water under counter-pressure;
- do not dilute **Mapecoat I 620 W** with solvents.

Apply **Mapecoat I 620 W**:

- evenly in a uniform thickness;
- using a short or medium-haired roller on concrete or **Ultratop**.

APPLICATION PROCEDURE

Preparation of the substrate

If **Mapecoat I 620 W** is applied on old concrete, it must be perfectly clean and free of oil, grease and/or any other type of contamination. Before carrying out the treatment, all surfaces must be sanded down, and the resulting dust must be removed with an industrial vacuum cleaner.

If **Mapecoat I 620 W** is applied on **Ultratop**, **Ultratop** must be perfectly set; wait at least 24 hours (according to the thickness applied) before painting.

Preparation of the product

Mapecoat I 620 W is a two-component, shiny epoxy finishing product, made up of two pre-dosed components. We recommend preparing the product as follows: pour component A into the container of component B, and carefully mix them together using a low-speed drill with a blending attachment until a homogenous mix is obtained. Add 10 to 20% of water while mixing, until the paste formed is once again homogenous.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	straw-coloured	whitish
Appearance:	liquid	thick liquid
Density (g/m ³):	1.10	1.25
Viscosity at +23°C (mPa·s):	6,000 (# 5 - rpm 10)	5,000 (# 5 - rpm 10)
Maximum VOC content according to 2004/42/EC (g/l):	50	
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	component A : component B = 50 : 100	
Colour of mix:	opalescent	
Consistency of the mix:	fluid	
Dry solids content (%):	52	
Density of the mix (kg/m ³):	1,180	
Viscosity of the mix (mPa·s):	5,500 (# 5 - rpm 10)	
Application temperature range:	from +12°C to +30°C	
FINAL PERFORMANCE (at +23°C and 50% R.H.)		
Pot life:	40 minutes	
Dust dry:	3 hours	
Setting time:	8-9 hours	
Set to light foot traffic:	24 hours	
Final hardening time:	7 days	

Mapecoat I 620 W may be coloured by adding, during the mixing, 10% by weight of **Mapecolor Paste**.

Anti-slip finish

If an anti-slip finish is required, add 5-10% by weight of **Mapecolor Filler** to the paste, and continue mixing for a few more minutes. In this case, we recommend that the paste is kept well blended to avoid sedimentation of **Mapecolor Filler**.

Application of the product

Mapecoat I 620 W must be applied evenly using a short/medium haired roller or with an *airless* spray system.

Cleaning

Tools and equipment used to prepare and apply **Mapecoat I 620 W** must be cleaned with water immediately after use. Once it has set, the product may only be removed mechanically.

CONSUMPTION

0.1-0.25 kg/m² per coat, according to the characteristics of the substrate on which it is applied and the application method used.

PACKAGING

15 kg kits:
component A = 5 kg in plastic tubs;
component B = 10 kg in plastic tubs.

STORAGE

Mapecoat I 620 W can be stored for 12 months in its original packaging in a dry place, and at a temperature of at least +10°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat I 620 W components A and B may irritate the skin and may cause sensitisation

in those subjects sensitive to such products. We recommend using gloves and protective goggles and to take the usual precautions for handling chemical products.

In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention.

Then, **Mapecoat I 620 W** (component A and component B) are also hazardous for aquatic life. Do not dispose of the product 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 620 W**



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