



Mapecoat I 620 W AP

Two-component water-based epoxy coating with a satin 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 AP is specially formulated to form a satin, 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.
- Suitable to use for floors and walls applications.
- 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 AP is a solvent-free, two-component, low-yellowing water-based epoxy coating, produce a durable coating system for walls and floors subjected to light traffic.

Mapecoat I 620 W AP is applied using a roller coat system, at various thicknesses from 100 to 150 microns. After hardening, it offers excellent resistance to abrasion.

RECOMMENDATIONS

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

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

Apply **Mapecoat I 620 W AP**:

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

APPLICATION PROCEDURE

Preparation of the substrate

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



Mapecoat I 620 W AP

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Colour:	Component A : Straw-coloured Component B : Whitish
Appearance:	Component A : Liquid Component B : Liquid
Shelf-life:	12 months in its original unopened packaging at +25°C
Final Appearance:	Coloured, Satin

APPLICATION DATA

Mixing ratio (by weight):	Component A : Component B = 4 : 1
Solid content (mixed):	65% ± 2
Consistency of the mix:	fluid
Substrate temperature relative to dew point:	>3°C
Recommended application temperature range:	minimum +5°C; maximum +35°
Relative humidity:	< 85%

FINAL PERFORMANCE

Pot-life:	30 minutes at +20°C
Abrasion resistance – Taber (CS-17 Wheel)	0.25gm/1000gm loading at 1000 rpm
Bond strength (ACI Committee #503)	>400psi (100% concrete failure)
Overcoating time:	18 hours at 25°C
Set to light traffic load:	24 hours
Final hardening time:	7 days

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PRIMING THE SUBSTRATE

Mapecoat I 620 W AP can be thinned up to 10%-15% clean water to help better penetration and workability

SUBSEQUENT COATS

Mapecoat I 620 W AP can be thinned up to 5%-10% clean water to apply as 2nd or 3rd coat depends on the absorbency of the substrate or the opacity of the colours.

PREPARATION OF THE PRODUCT

Mapecoat I 620 W AP is a two-component, satin 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 proposed water amount while mixing, until the paste formed is once again homogenous.

APPLICATION OF THE PRODUCT

Mapecoat I 620 W AP must be applied evenly using a short-haired brush or with an airless spray system.

CLEANING

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

CONSUMPTION

0.15 - 0.20 kg/m² per coat, according to the characteristics of the substrate on which it is applied and the application method used.

PACKAGING

5 kg & 20kg kits:
component A = 4kg & 16 kg in pails;
component B = 1kg & 4 kg in pails.

STORAGE

Mapecoat I 620 W AP can be stored for 12 months in its original packaging in a dryplace, and at a temperature of at least +25°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Component A of Mapecoat I 620 W AP irritates if it comes into contact with the eyes or skin. Both component A and component B may provoke rashes in people who are allergic to such substances if it comes into contact with the skin repeatedly. Avoid contact with the skin and eyes, and always use protective gloves and goggles when preparing and applying the product.

Component A of Mapecoat I 620 W AP is hazardous for aquatic life: do not dispose of the product in the environment. For further information, please refer to the Safety Data Sheet.

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**

**Mapecoat
I 620 W AP**

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