



# 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 **Mapecofloor 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% in weight of **Mapecofloor 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, crumbly 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 brush 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**, the **Ultratop** must be perfectly set; wait at least 24 hours (according to the thickness applied) before painting.

##### **Priming the substrate**

If **Mapecoat I 620 W** is applied on concrete, the surface must be primed with **Triblock P**.

##### **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

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	straw-coloured	whitish
Appearance:	liquid	thick liquid
Density (g/m³):	1.10	1.25
Viscosity at +23°C (mPa·s):	6,000 (# 5 - rpm 10)	5,000 (# 5 - rpm 10)
Hazard classification according to EC 1999/45:	irritant, hazardous for the environment. Before using refer to the “Safety instructions for preparation and application” paragraph and the information on the packaging and Safety Data Sheet	
Maximum VOC content according to 2004/42/EC (g/l):	50	
Storage:	12 months in its original, unopened packaging	
Customs class:	3907 30 00	
APPLICATION DATA		
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/m³):	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	

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.

**Mapecoat I 620 W** may be coloured by adding **Mapecolor Paste** (2 700 g packages of **Mapecolor Paste** for each 15 kg package of **Mapecoat I 620 W**) during the mixing cycle.

#### **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 setting of **Mapecolor Filler**, anti-slip inert material.

#### **Application of the product**

**Mapecoat I 620 W** 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** 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/m<sup>2</sup> 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**

Component A of **Mapecoat I 620 W** 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** 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](http://www.mapei.com)**

**Mapecoat  
I 620 W**

