

Mapecure CA

Solvent-based film-forming curing compound for mortar and concrete; may be painted over

WHERE TO USE

Solvent-based anti-evaporation product for protecting cementitious mortar and fresh concrete, to reduce the risk of micro-cracking to a minimum during the plastic phase, or due to rapid evaporation of the water used for mixing due to sunlight or winds.

Some application examples

- Protection of newly-laid concrete such as:
 - industrial floors;
 - external floors (roads, car-parks, etc.);
 - airport floors;
 - faces of dams;
 - bridges;
 - channels;
 - storage tanks.
- Protective anti-evaporation layer on concrete structures repaired using products from the **Mapegrout** and **Mapefinish** ranges, before painting over with **Elastocolor Paint** or smoothing off with **Elastocolor Rasante**.
- Protective anti-evaporation layer of new concrete surfaces before painting over with **Elastocolor Paint** or smoothing off with **Elastocolor Rasante**.

TECHNICAL CHARACTERISTICS

Mapecure CA is a synthetic resin-based product in

solvent. It forms a uniform film on concrete which is impermeable to water and air. The product conforms to UNI 8657 and UNI 8658 standards regarding film-forming products for protecting concrete.

Mapecure CA offers good protection against the evaporation of water from concrete whenever it is exposed to direct sunlight or particularly severe thermo-hygrometric conditions.

The following advantages may be obtained by applying **Mapecure CA**:

- improved development of mechanical strength (tests have shown that, in the absence of damp curing, the mechanical strength of concrete may be reduced by more than 50%);
- improved wear resistance of concrete;
- reduced surface dust;
- reduction in cracking due to plastic shrinkage;
- elimination of traditional protection systems, such as water, plastic sheets, damp jute sacks, etc.;
- quick and easy application;
- lower labour costs and rationalised site management.

TECHNICAL DATA (typical values)	
PRODUCT DETAILS	
Consistency:	liquid
Colour:	amber
Density (g/cm³):	0.98 ± 0.02 at +23°C
Dry substances content (%):	14 ±1
Main property:	protection against the evaporation of water from concrete
Viscosity (F 4 Ford viscosity cup):	17"
Shelf life:	24 months in a dry place in its original, sealed packaging
Hazard classification according to EC 99/45:	flammable. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packing and Safety Data Sheet
Customs class:	3206 90 91
APPLICATION DATA	
Drying time (UNI 8658):	70' (at +23°C)
Water retention (UNI 8657):	0.48 kg/m ² (loss of water 72 hours after application)
Application temperature range:	from +5°C to +35°C

RECOMMENDATIONS

- Do not dilute **Mapecure CA** with solvent or water.
- Do not apply **Mapecure CA** on substrates which are not absorbent.
- Do not apply **Mapecure CA** on **Mapelastic**.
- After application, the substrate must not have a "vitrified" finish.
- Use the product at temperatures between +5°C and +35°C.
- Do not apply **Mapecure CA** if there is the likelihood of rain.
- Before painting over concrete treated with **Mapecure CA**, wait at least three weeks after application.

APPLICATION PROCEDURE

Mapecure CA must only be applied on concrete or mortar surfaces once the finishing layer has been completed.

When applying **Mapecure CA** on cast concrete, apply immediately after removing the formwork.

Preparation of the product

Mapecure CA is ready to use and must not be diluted with solvent. Mix the product thoroughly before application.

Application of the product

Spread **Mapecure CA** on cementitious surfaces in a thin, uniform laying using a roller or by spraying with a manual pump or compressed air.

Cleaning

Tools used for applying the product must

be cleaned using white spirits before the **Mapecure CA** has dried.

CONSUMPTION

Approx. 110-150 g/m².

PACKAGING

Mapecure CA is available in 10 kg tubs.

STORAGE

Mapecure CA may be stored for up to 24 months in its original packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecure CA is highly flammable; avoid all ignition sources and do not smoke. The use of this product may cause dry skin and drowsiness. The use of protective gloves and goggles is recommended; apply the product in well-ventilated areas.

If you come into contact with the product, rinse off with plenty of water. If swallowed, seek medical advice. Do not dispose of the product in the environment.

PRODUCT FOR PROFESSIONAL USE ONLY.

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
of the product are available
upon request**

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