

Mapecure S

Solvent film-forming curing compound for mortars and concrete



WHERE TO USE

Solvent-based curing compound for renders, cementitious mortars and fresh concrete, to minimize micro-cracking during the plastic phase due to rapid evaporation of the mixing water caused by wind and sun.

Some application examples

- Curing compound for concrete surfaces repaired with products from the **Mapegrout** and **Mapefinish** range before painting with **Elastocolor Paint** or smoothing with **Elastocolor Rasante**.
- Curing compound for new concrete surfaces before painting with **Elastocolor Paint** or smoothing with **Elastocolor Rasante**.
- Protection of new concrete structures such as:
 - industrial flooring;
 - exterior flooring (roads, parking lots, etc.);
 - airport flooring;
 - renders;
 - dam facings;
 - bridges;
 - canals;
 - reservoirs.

TECHNICAL CHARACTERISTICS

Mapecure S is a product based on resins in organic solvents which forms a uniform film on concrete, impermeable to water and air. The product is in

compliance with UNI 8657 and UNI 8658 for film-forming products for the protection of concrete.

Mapecure S provides reliable protection against the evaporation of water from concrete, when exposed to direct sunlight or under severe rapid drying conditions caused by wind, low humidity, or high ambient or concrete temperatures.

Mapecure S offers the following advantages:

- better development of mechanical strength (in the absence of damp curing, concrete can lose up to 50% of its mechanical strength);
- better resistance to wear of the concrete;
- less surface dusting;
- less cracking due to plastic shrinkage;
- elimination of traditional methods of protection such as water, wet burlap sacks, wet sand, etc.;
- fast and easy application;
- lower labour costs and more efficient job-site management.

RECOMMENDATIONS

Mapecure S interferes with the bonding of any other

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	amber
Mass density (g/cm³):	0.91 (at +23°C)
Dry solid content (%):	51±2
Specific action:	protection from the evaporation of water from the concrete
Brookfield viscosity (mPa·s)	< 100,000 (1 shaft - 100 revs.)
Storage:	24 months in original sealed packaging in a dry place
Hazard classification according to EC 1999/45:	inflammable. Before using refer to the "Safety instructions for the preparation and application" paragraph and the information on the packing and Safety Data Sheet
Customs class:	3806 10 90
COMPOSITION AND PROPERTIES OF THE MIXTURE at +23°C - 50% R.H.	
Drying time (UNI 8658):	75' (at +23°C)
Water retention (UNI 8657):	0.45 kg for m ² of loss of water after 72 h application
Application temperature range:	from +5°C to +35°C

finishing product. Its use is therefore not recommended for curing concrete or renders when levelling or painting is required, unless thoroughly cleaned by mechanical means or by sanding to remove the product.

Do not use **Mapecure S** if it will not be removed before:

- the concrete is levelled with cementitious mortars;
- the concrete or render is varnished or painted over;
- for subsequent covering with ceramic tiles, wood, rubber, etc.;
- construction of cold joints.

APPLICATION PROCEDURE

Mapecure S should be applied to the

surface of the mortar or concrete after it has been finished.

For concrete formwork, **Mapecure S** must be applied immediately after de-moulding.

Preparing the product

Mapecure S is ready-to-use. It must never be diluted with solvents.

Carefully mix the product before using.

Applying the product

Evenly and thinly apply **Mapecure S** on the cementitious surface using a roller or spray with a manual pump or compressed air.

Cleaning

The tools used for applying the product must be cleaned with turpentine before **Mapecure S** dries.

CONSUMPTION

Approximately 0.10-0.15 kg/m².

PACKAGING

Mapecure S is supplied in:

- 24 kg plastic drums;
- 200 l metal drums.

STORAGE

Mapecure S can be stored 24 months in original packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Frequent exposure to **MAPECURE S** may cause dry, chapped skin. Avoid contact with the eyes and skin, and always use protective clothing. The product is inflammable. Therefore, avoid applying the product in the presence of naked flames, sparks or other sources of ignition.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product report 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 applications: 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.

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

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