

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;
 - 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.

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 finishing product. Its use is therefore not recommended for curing concrete or renders when levelling or painting is required, unless thoroughly

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 (1 shaft - 100 revs.)
Curing efficiency index at 72 h (CEN/TS 14754-1) (%):	> 75 (dosage 200 g/m ²)
Mass loss per unit area (ASTM C156) kg/m²):	≤ 0,55 (comply with ASTM 309)

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;
- 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 0.1-0.2 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 its original sealed packaging, protected from frost and direct sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into

another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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



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