

MAPECURE SP

Film-forming, curing compound in water emulsion for concrete and cement mortars



WHERE TO USE

To retain moisture for cement hydration in freshly-placed concrete and mortar, especially in ambient conditions of wind and sunlight, thereby controlling rapid shrinkage stresses and plastic-shrinkage cracking.

Some application examples

Mapecure SP is especially recommended for protective curing of:

1. freshly-placed concrete for structures such as:
 - floor slabs;
 - building elements such as beams and columns;
 - off-form concrete (after formwork stripping).
2. freshly-applied mortars such as:
 - screeds and renders;
 - patch repairs;
 - formwork repairs (after formwork stripping).

TECHNICAL CHARACTERISTICS

Mapecure SP is a white, water-dispersed emulsion of special resins which forms an efficient curing film on concrete.

Mapecure SP provides reliable protection against rapid evaporation of water from freshly-placed concrete and mortar, whether exposed to direct sunlight or under severe rapid drying conditions caused by wind, low humidity, or high ambient or concrete temperatures.

Mapecure SP offers the following advantages:

- Helps the concrete achieve ultimate target strength and durability;
- Less surface dusting;
- Less plastic shrinkage cracking;
- Elimination of traditional protection methods, such as spraying water, wet burlap sacks, wet sand;
- Fast and easy application;
- Lower labour costs and more efficient job-site management;
- Surfaces treated with **Mapecure SP** are safe for overlay coatings after normal surface preparation methods. No special cleaning procedure is required.

APPLICATION PROCEDURE

Mapecure SP should be applied to the surface of the concrete after bleeding water, if any, has disappeared. For industrial paving, **Mapecure SP** must be applied after the concrete has started to set. For off-form concrete, **Mapecure SP** must be applied immediately after stripping.

Preparation of the product

- Stir **Mapecure SP** thoroughly before applying.
- Do not dilute **Mapecure SP**.

Application of the product

Apply **Mapecure SP** in one spray coat with a low pressure sprayer, or with a roller, in a thin and even layer.

CLEANING

Spray tools must be cleaned with water before **Mapecure SP** dries.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Product as it is	ready for use
Consistency:	watery fluid
Colour:	white
Density at +20°C:	1.00 ± 0.01 kg/l
pH:	9 ~ 10
Specific action:	concrete surface protection against rapid water evaporation
Brookfield viscosity at +23°C:	< 50 mPa·s (spindle 1 – 50 rpm)
Application temperature:	+5°C ~ +35°C

COVERAGE

70 ~ 100 g/m².

PACKAGING

Mapecure SP is available in 25 kg drums.

STORAGE

12 months stored in a closed containers; protect from frost and exposure to direct sunlight at temperatures between +5°C and +30°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

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.my


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