



Mapecure E 30

Film-forming curing compound in water emulsion for concrete

WHERE TO USE

To protect fresh concrete from rapid water evaporation caused by wind or sunlight and to reduce surface cracking.

Some application examples

Mapecure E 30 is especially recommended for protecting concrete structures such as:

- industrial floors;
- exterior paving (road, parking lots);
- airport runways;
- renders;
- dam faces;
- bridges;
- canals;
- reservoirs.

TECHNICAL CHARACTERISTICS

Mapecure E 30 is a white water emulsion of special resins which forms an even, lightly elastic film on concrete that is impermeable to water and air.

Mapecure E 30 provides reliable protection against rapid evaporation of water in concrete, whether exposed to direct sunlight or under severe rapid drying conditions caused by wind, low humidity, or high environment or concrete temperatures.

Mapecure E 30 offers the following advantages:

- better development of mechanical strength: the absence of moisture in curing concrete can result a loss of strength of up to 50%;
- better resistance to wear;
- less surface dusting;
- fast and easy application.

RECOMMENDATIONS

Mapecure E 30 interferes with the bonding of any other finishing product. Its use is therefore not recommended for concrete curing or renders when levelling or painting is required (unless thoroughly cleaned with a bush hammer or by sanding to remove the product). If applied on horizontal surfaces such as roads, parking lots and airport runways, in an amount higher than specified, and if not removed, the surface could be slippery for rubber tyre vehicles.

HOW TO USE

Mapecure E 30 should be applied to the surface of the concrete after evaporation of bleeding water. For industrial paving, **Mapecure E 30** must be applied after the concrete has started to set.

For formed concrete **Mapecure E 30** must be applied immediately after stripping the formwork.

Preparing the product

Carefully mix **Mapecure E 30** before applying. **Mapecure E 30** must be used without any other dilution.

Applying the product

Apply **Mapecure E 30** in one spray coat with approx. 1 atmosphere of pressure in a thin and even layer. After approx. 2-3 hours at +20°C **Mapecure E 30** will be resistant to rain and washing.

Cleaning

Spray tools must be cleaned with water before **Mapecure E 30** dries.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fluid
Colour:	white
Density (g/cm ³):	0.98 ± 0.02
Main action:	surface concrete protection against water evaporation
Curing efficiency index at 72 h (CEN/TS 14754-1) (%):	> 85 (dosage 200 g/m ²)
Mass loss per unit area (ASTM C156) (kg/m ²):	≤ 0.55 (comply with ASTM 309)
APPLICATION DATA	
Application temperature:	from +5°C to +30°C
Tack-free time at +20°C	2-3 hours

CONSUMPTION

Mapecure E 30 not diluted: 100-250 g/m².

PACKAGING

Mapecure E 30 is supplied in 25 kg tanks, 200 l drums, and 1000 liter IBC.

STORAGE

Mapecure E 30 may be stored for 12 months in closed containers; protected from frost and from exposure to direct sunlight. The storage temperature must be between +5°C and +30°C.

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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