



Mapecure E

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 is especially recommended for protecting concrete structures such as:

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

TECHNICAL CHARACTERISTICS

Mapecure E is a white water emulsion of special resins which forms an even slightly elastic film on concrete that is 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 E 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 ambient or concrete temperatures.

Mapecure E offers the following advantages:

- better development of mechanical strength: the absence of moisture in curing concrete can result in a loss of strength of up to 50%;
- better resistance to wear;
- less surface dusting;
- less plastic shrinkage cracking;
- 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 E 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:	runny fluid
Colour:	white
Specific gravity (kg/l):	0.94 ± 0.02 at +20°C
pH:	9-10
Dry solid content (%):	50
Specific action:	surface concrete protection against rapid water evaporation
Collateral action:	none
Brookfield viscosity (1 shaft – 100 revs.) Mapecure E diluted 1:1 with water (mPa·s):	< 70 (+23°C)
Storage:	24 months in original sealed packaging
Hazard classification according to EEC 88/379:	none
Customs class:	2712 20 00
APPLICATION DATA	
Product as it is:	ready for use
Diluted product (dilution ratio):	1 : 1 by volume with water
Application temperature:	from +5°C to +30°C
Tack-free time at +20°C:	2-3 hours

cleaned with a bushhammer 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 allowed, and if not well removed, the surface could result as slippery for rubber tyre vehicles.

Generally do not use **Mapecure E** if it is not 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 joints for new over old concrete.

APPLICATION PROCEDURE

Mapecure E should be applied to the surface of the concrete after bleeding. For industrial paving, **Mapecure E** must be

applied after the concrete has started to set.

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

Preparing the product

Carefully mix **Mapecure E** before applying. **Mapecure E** may be used full-strength, or diluted in a ratio of 1:1 by volume with water, in which case, stir in water and mix thoroughly until even.

Applying the product

Apply **Mapecure E** 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** resists rain water.

Cleaning

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

CONSUMPTION

Mapecure E full-strength: 70-100 g/m².

Mapecure E diluted: 1:1 with water:
140-200 g in m² solution.

PACKAGING

Mapecure E is supplied in 25 kg tanks and

200 l drums and is available on request in 1000 l tanks.

STORAGE

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

FOR PROFESSIONALS.

WARNING

N.B. - 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
of the product are available
upon request**



BUILDING THE FUTURE

MAPEI GROUP CERTIFIED MANAGEMENT SYSTEMS (Quality, Environment and Safety)



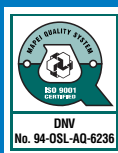
MAPEI S.p.A. - ITALY



MAPEI FRANCE



MAPEI INC - CANADA



RESCON MAPEI AS - NORWAY



MAPEI KFT. - HUNGARY



MAPEI FAR EAST Pte Ltd



MAPEI Sro - CZECH REP.