

# MAPECURE WG

Film-forming curing agent in water emulsion for concrete



## DESCRIPTION

**Mapecure WG** is a film-forming, anti-evaporation agent applied on the surface of concrete to minimise the loss of moisture during the curing process. **Mapecure WG** forms a thin, anti-evaporation film that protects the surface of concrete from the drying action of the sun and wind and prevents the formation of cracks due to plastic shrinkage.

## CHARACTERISTICS AND ADVANTAGES

- Keeps the surface of concrete moist to improve the curing process.
- Helps prevent plastic shrinkage and potential cracking.
- Water-based product fully compatible with fresh concrete.
- It may not be removed before the application of coatings.
- Improves the hydration process of cement and increases its strength compared with non-cured concrete.
- Replaces traditional curing methods.
- Once applied on the surface it resists the leaching action of rain.

## WHERE TO USE

**Mapecure WG** may be used on both internal and external surfaces. **Mapecure WG** may be applied on both fresh concrete and on concrete that has started to set. **Mapecure WG** is highly recommended for the following:

- industrial floors
- roads and car-parks;
- airport runways;
- channels;
- storage tanks.

## APPLICATION OF THE PRODUCT

The product is supplied ready to use and may be applied on concrete when the surrounding temperature is between +5°C and +35°C.

**Mapecure WG** may be applied on concrete with a brush or roller, or by spray with a manual pump and spray nozzle with a delivery rate of 5-10 m<sup>2</sup> per litre.

Apply the product on the surface of the concrete when there is no more surface bleeding. In the case of industrial floors, only apply the product once the surface has been finished off.

## HOW TO USE

### Preparation of the product

Before applying **Mapecure WG** make sure it has been mixed thoroughly. Then apply a single coat on the surface of the concrete to form a thin, even film.

In the production of industrial floors, roads and car-parks, **Mapecure WG** is compatible with the surface evaporation retardant and aid finishing **Mapecrete Film**.

Cleaning

Clean tools used to apply **Mapecure WG** with water immediately after use.

CONSUMPTION

The yield of **Mapecure WG** is around 200-300 g of product per square metre of surface. Consumption may vary according to the temperature of the concrete and surrounding wind speed. For further information consult Mapei Technical Services Department.

PACKAGING

**Mapecure WG** is available in 1050 kg IBC containers, 200 l drums and 25 kg cans.

STORAGE

**Mapecure WG** may be stored for 12 months in its original packaging at +5°C to +35°C. Protect 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](http://www.mapei.com).  
PRODUCT FOR PROFESSIONAL USE.

|                                                   |                                                |
|---------------------------------------------------|------------------------------------------------|
| TECHNICAL DATA (typical values)                   |                                                |
| PRODUCT IDENTITY                                  |                                                |
| Consistency:                                      | fluid                                          |
| Colour:                                           | white                                          |
| Density according to ISO 758 (g/cm³):             | 1.05 ± 0.02 at +20°C                           |
| pH according to ISO 4316:                         | 7.5 ± 1                                        |
| Dry substances content according to EN 480-8 (%): | 30                                             |
| ASTM C156 (kg/m²):                                | < 0.55 (water loss 72 hours after application) |
| ASTM C309 Classification:                         | Type 1 - Class A                               |
| Curing efficiency index at 72 h (CEN/TS 14754-1): | > 70% (dosage 200 g/m²)                        |

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.



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