MAPEI

Mapeprim 1K

Solvent free, one-component primer in water dispersion



WHERE TO USE

One-component epoxy resin based primer in water dispersion to ensure perfect bonding of smoothing and levelling compounds and cementitious adhesives on all types of substrates, especially those non-porous and sensitive to moisture, such as gypsum, anhydrite and wood as well as existing ceramic coverings.

Mapeprim 1K is suitable for interiors.

Can be used on heated screeds.

Some application examples

- Preparing smooth, solid and non-porous substrates such as polished ceramic tiles and natural stone materials before applying smoothing and levelling compounds from the MAPEI range or before installing ceramic tiles with cementitious adhesives.
- Treating cast asphalt, wood, chipboard, PVC and linoleum surfaces.
- Protection of wooden surfaces from moisture.

TECHNICAL CHARACTERISTICS

Mapeprim 1K is a one-component epoxy resin based primer in water dispersion, solvent free, easily workable and hardens rapidly. After its application it forms a transparent, compact and watertight film. It promotes bonding of smoothing compounds and cementitious adhesive on non-porous and very smooth substrates.

RECOMMENDATIONS

- Do not apply **Mapeprim 1K** on damp substrates or in the presence of rising damp.
- Do not apply **Mapeprim 1K** at temperatures below +5°C.
- Do not apply **Mapeprim 1K** on exteriors.
- Do not walk on surfaces treated with **Mapeprim 1K** when the product has not hardened.
- Level or install the tiles within 24 hours. If it is necessary to apply levelling compounds or to install the tiles after 24 hours, spread fine sand over the still fresh **Mapeprim 1K**.
- Do not mix **Mapeprim 1K** with other substances and do not dilute with water.

APPLICATION PROCEDURE

Preparing the substrate

The substrate must be dry, sound, free of cracks, level, clean, free of oils, grease, paint residues and other loose parts.

Applying the primer

Mapeprim 1K is ready-to-use. When it is time to use the primer, carefully mix the product and apply it on

Mapeprim 1K

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	creamy liquid
Colour:	white - bluish
Density (g/cm³):	1.12
pH:	7.6
Dry solids content (%):	58
Brookfield viscosity (mPa·s):	11,000 (10 rpm - 4 rotor)
Storage:	12 months in unopened original packaging
Hazard classification according to EC 1999/45:	irritant. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
Customs class:	3209 90 00
APPLICATION DATA (at +23°C and 50% R.H.)	
Maximum time from the application of Mapeprim 1K till the spreading of sand:	approx. 20 mins
Application temperature range:	from +5°C to +35°C
Minimum waiting time from the application of Mapeprim 1K until the application of levelling or installing of tiles:	1-3 hours
Maximum waiting time from the application of Mapeprim 1K until the levelling or installing of tiles:	24 hours

the substrate with a roller or brush. The amount depends on the degree of absorption of the substrate.

Mapeprim 1K hardens after approximately 1-3 hours depending on the site conditions and becomes a transparent film. Drying time depends on the temperature and surface ventilation.

Level or install the tiles when **Mapeprim 1K** is set to light foot traffic and within 24 hours after its application at +23°C (higher temperatures require shorter intervals). If installation is carried out after 24 hours from the application of the primer, spread fine sand over the still fresh (within approx. 20 mins) layer of **Mapeprim 1K**. Once it has dried, remove the sand excess with a broom or vacuum cleaner.

Surfaces treated with **Mapeprim 1K** must be protected from dust and dirt. Do not walk on the surface before it is dry (1-3 hours).

Cleaning

Tools can be cleaned with water before the primer sets. Any residue can be removed with a damp rag or sponge. After the primer sets cleaning becomes very difficult and can be carried out only mechanically or with **Pulicol**.

CONSUMPTION

100-150 g/m^2 depending on the absorption of the substrate.

PACKAGING

5 and 1 kg.

STORAGE

Mapeprim 1K can be stored 12 months in its original packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeprim 1K may cause sensitisation by skin contact to subjects predisposed.
Use protective gloves and goggles during the preparation and the application of the product.
In case of contact to the skin, wash immediately with plenty of water.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this 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 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

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