MAPEPROOF PRIMER

One-component, rapid drying PVDC based dispersion membrane for suppressing residual moisture up to 4.5 CM-% (95% R.H.)





BENEFITS AND FEATURES

- Ready for use
- No mixing required
- Easy to apply by roller
- Colour pigmented to aid coverage uniformity
- Fast drying
- Low consumption/High coverage
- No primer or sprinkling sand required with subsequent levelling compounds
- Complies with ASTM D 1308-87 standard for the resistance to urine
- Can be resealed and stored with no particular precautions for future use
- Not flammable
- EMICODE EC1 Plus (very low emission)
- Blauer Engel - DE-UZ 113
- For interior floors

WHERE TO USE

Mapeproof Primer is a one-component, ready-to-use system that dries rapidly to provide a waterproof surface membrane; it impedes the passage of residual construction moisture from affecting subsequent floor covering installations, therefore allowing early installation of floor coverings.

Some application examples

- For cement-based, moisture-resistant, non-heated substrates where residual moisture content values are up to 4.5 CM-% (95% R.H.), before the application of levelling compounds.
- For substrates with underfloor heating where residual moisture content values are up to 2.5 CM-% (85% R.H.), before the application of levelling compounds.

TECHNICAL CHARACTERISTICS

Mapeproof Primer is a one-component, ready-to-use, polyvinylidene chloride-based dispersion system that dries rapidly to provide a waterproof surface membrane.
Product properties:

- ready for use;
- no mixing is required;
- easy to apply by roller;
- colour pigmented to aid coverage uniformity;
- fast drying;
- low consumption/high coverage;
- no primer or sprinkling sand is required with subsequent levelling compounds;
- complies with ASTM D 1308-87 standard for the resistance to urine;
- can be resealed and stored with no particular precautions for future use;
- not flammable;
- EMICODE EC1 Plus (very low emission);
- Blauer Engel - DE-UZ 113.

RECOMMENDATIONS

- Apply **Mapeproof Primer** only on internal flooring.
- Do not use over anhydrite or other gypsum/sulphate-based substrates.
- Use epoxy or polyurethane primer (such as **Eco Prim PU 1K Turbo** or **Primer MF**) on magnesium screeds.
- Do not use on substrates subject to rising damp.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be uniformly dry, sound, free of dust, loose parts, cracks, paint, wax, oil, rust, or other products that may affect the bonding.
Unbonded screeds laid onto lightweight concrete or thermal-acoustic insulating layer and screeds over bare ground must be provided with a vapour barrier to prevent rising damp.
The residual moisture content must not exceed 4.5 CM-% (95% R.H.) in the case of non-heated cement screeds, and 2.5 CM-% (85% R.H.) in the case of heated cement screeds.
Cracks have to be filled with a suitable product (such as **Eporip**, **Eporip Turbo,** or **Eporip SCR**) before applying **Mapeproof Primer**.
Joints designed to allow movement of the substrate must not be bridged with **Mapeproof Primer**, but sealed with a suitable impervious flexible jointing compound after the application of the membrane.
The absorbency of the screed must be ensured. Compact substrates must be prepared mechanically.

Application of the primer

Shake the can to mix the contents immediately prior to use. **Mapeproof Primer** must be applied in a minimum of two coats.
The floor temperature must be above +10°C when the membrane is applied.
Mapeproof Primer should be applied over the whole floor.
With particularly low absorbent or finished screeds with a compact surface, first apply a diluted coat of **Mapeproof Primer** (1:1 with water) and allow to dry (approx. 20 mins). This will ensure that the **Mapeproof Primer** penetrates into the surface of the screed prior to applying the two coats of undiluted **Mapeproof Primer**.
1st Coat: Apply the first coat in one direction, ensuring that the material penetrates well into the substrate.
2nd Coat: When the 1st coat is touch dry, approximately after 15-30 minutes at +20°C, apply the 2nd coat at a right angle to the 1st coat.
It is essential that a pin-hole-free coating is achieved and that maintain a consumption rate of approx. 250 g/m² as a two-coat application (coverage: 4 m²/kg).

When applied on very absorbent surfaces, the membrane can be absorbed into the substrate, leaving a subdued shine. In such instances or where pinholes and weak spots are evident, further application will be required.
After complete drying of the membrane, smoothing compounds from the MAPEI range can be applied. The drying times vary depending on the absorbency of the substrate and the room climatic conditions (temperature and humidity) between 2 and 5 hours.
Apply the appropriate MAPEI smoothing compound within 18 hours of the curing of **Mapeproof Primer** to provide an absorbent surface suitable for the application of adhesives.
If **Mapeproof Primer** is not covered within 18 hours of curing, a further coat must be applied and allowed to dry before proceeding with the application of the smoothing compound.



*First coat application of **Mapeproof Primer***



*Second coat application of **Mapeproof Primer***



*Self-levelling compound application on **Mapeproof Primer***

CLEANING

While still wet, **Mapeproof Primer** can be cleaned from floors or wall coverings, tools, and clothing with water. When dry, use alcohol or **Pulicol 2000**.

CONSUMPTION

Approx. 60-70 g/m² with dilution 1:1.
Approx. 120-130 g/m² undiluted, according to the absorbency of the substrate (approx. 250 g/m² as a two coats application).

PACKAGING

Mapeproof Primer is available in 10 kg cans.

STORAGE

Under normal conditions, **Mapeproof Primer** is stable for at least 12 months in its original sealed packaging. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of our Safety Data Sheet, available from our website www.mapei.com.
Keep out of reach of children. Ensure good ventilation during and after application and drying. Do not eat, drink or smoke when using this product. In case of contact with eyes or skin rinse immediately with plenty of water. Do not allow product to reach sewage system, water course or soil. Clean tools with soap and water immediately after use. Give only empty containers to recycling. Dried product residues may be disposed of as domestic waste if allowed by local regulations.
The product contains: BIT and CIT/MIT (3:1).
For information for allergic people as well as the Technical Data Sheet, please call +39/02/37673.1.
The product contains:

water, binders, additive, pigment, preservatives (Vdl-RL 01/June 2018).
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	fluid liquid
Colour:	green
Density:	1.05 g/cm^3
pH:	6
Dry solids content:	47%
– EMICODE: **– Blauer Engel:**	EC1 Plus - very low emission DE-UZ 113

APPLICATION DATA (at +23°C - 50% R.H.)	
Application temperature range:	from +5°C to +35°C
Drying time:	– approximately 15-30 minutes for the first coat; – for the second coat allow 30 minutes.
Waiting time before applying the adhesive or the smoothing compound:	approximately 2-5 hours, max 18 hours

FINAL PERFORMANCE DATA	
Resistance to humidity:	excellent
Resistance to temperature:	good
Resistance to urine:	In compliance with ASTM D 1308-87

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.

MAPEI

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