Two component solvent-free epoxy moisture barrier for cementitious substrates to:

• alleviate moisture related problems in concrete slabs and screeds prior to laying moisture-sensitive floorcoverings such as timber, vinyl, LVT planks, rubber and levelling compounds

• anti-dust and consolidating treatment for cementitious floors subject to light wheeled traffic
DESCRIPTION
PRIMER MF is particularly suitable for:
- a moisture vapour barrier over concrete slabs and screeds with high moisture and high pH levels prior to the installation of flooring sensitive to humidity such as timber, vinyl, rubber, LVT planks and levelling compounds
- used as an anti-dust and consolidating treatment for cementitious floors subject to light wheeled traffic
- used as a consolidating primer for weak cementitious substrates

IMPORTANT TECHNICAL NOTES
- Only reactive adhesives such as Adesilex G19, Ultrabond P990 1K and Ultrabond Eco S955 can be direct bonded to PRIMER MF
- If acrylic adhesives are to be applied then the PRIMER MF will need to be primed with ECO PRIM T PLUS and a minimum 3mm levelling compound from the Mapei range applied

DO NOT dilute PRIMER MF with solvents
DO NOT apply PRIMER MF on hot substrates or those displaying excessive surface water
DO NOT apply PRIMER MF on non absorbent substrates

Please pay particular attention when using pure PRIMER MF as an anti evaporation agent as it forms a vitreous film that reduces the adhesion of subsequent finishing products.

Please thoroughly read this booklet prior to commencing work.

COVERAGE
Moisture Vapour Barrier: 7.5 - 15 m² per 6 kg kit (two coats)
INSTRUCTIONS

STEP 1:
Thoroughly clean the substrate of any substance that could interfere with the bond of PRIMER MF including dirt, paint, tar, asphalt, wax, oil, grease, sealers, curing compounds, loose toppings, foreign substances and adhesive residue. Mechanically clean and prepare by shotblasting or pressure cleaning to remove all dust, debris and other contaminants. Allow substrate to completely dry.

STEP 2:
Mix Part A with Part B.

STEP 3:
Use a low speed mixer (around 300rpm) and mix to a smooth lump-free consistency ensuring to scrape down the sides of the bucket during mixing.

STEP 4:
Apply PRIMER MF with a brush or roller in the one direction. PRIMER MF can generally be applied using one coat (depending on the porosity of the substrate). When dry there should be a continuous glossy film on the surface. If this is not evident then a second coat should be applied. The second coat of PRIMER MF is applied in the opposite direction to ensure complete coverage of the substrate. Apply the second coat just prior to the first coat drying (approx. 3 - 4 hours at 23°C and 50% relative humidity). DO NOT wait more than 12-24 hours between each application in order to guarantee that there is a perfect bond between each coat.
STEP 5:
If a levelling compound or screed is to be applied over the PRIMER MF, sprinkle silica sand onto the wet surface of the second coat. Remove any excess sand after the PRIMER MF has dried. DO NOT apply as a moisture vapour barrier if there is evidence of hydrostatic pressure or rising damp.

STEP 6:
Do not apply to substrates that are damp or are subject to rising damp. Please consult Mapei Technical Services on Freecall 1800 652 666 or alternatively send an email to Technical-AU@mapei.com.au.

STEP 7:
Cleaning of tools and container must take place immediately using fresh water.
RECOMMENDATIONS

- DO NOT dilute PRIMER MF with water or solvents
- DO NOT use on wet surfaces
- DO NOT use over smoothing or levelling compounds
- DO NOT use acids to clean substrates where the product has to be applied
- The product is suitable for consolidating heated screeds and anhydrite substrates but it cannot be used as a moisture blocker on these substrates. Therefore make sure that these kinds of substrates have completely dried before applying PRIMER MF. A cementitious substrate is normally considered dry for values of humidity up to 2.5% CM of up to 75% RH
- To ensure a good bonding of levelling compounds or adhesives over the surface treated with PRIMER MF, sprinkle a layer of Quartz 1.2 or clean, dry sand of the right size over the product while it is still fresh. Any loose sand must be thoroughly removed from the primer prior to any further applications has already set.
- If laying timber flooring directly on to the substrate that has been treated with PRIMER MF only use reactive polyurethane adhesives, epoxy polyurethane or sililated polymer-based adhesives such as Adesilex G19, Ultrabond P990 1K or Ultrabond Eco S955 1K
- If PRIMER MF has not been sprinkled with sand and has already set with a final shiny surface, the surface must be treated with Eco Prim T Plus before the application of smoothing and levelling compounds and adhesives, or as an alternative, must be well sanded
- To avoid condensation on the surface of the product during its polymerisation, the substrate temperature at time of installation must be at least 3°C above the dew point

PREPARING THE PRODUCT AND APPLICATION

The two components of PRIMER MF are supplied pre-measured: Part A is 3 parts by weight - Part B is 1 part by weight. The components must be mixed together with a low speed mixer until a uniform mix is obtained.
CLEANING
All equipment used for mixing and applying the solution must be cleaned with water immediately after use.

CONSUMPTION
Approx. 200 - 400 g/m², depending on the absorption of the substrate.

PACKAGING
PRIMER MF is available in 6 kg kits (Comp. A = 4.5 kg; Comp. B = 1.5 kg).

STORAGE
The shelf life of PRIMER MF is 24 months if stored in original sealed packaging, protected from frost and from direct sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Components A and B of PRIMER MF can be irritating to eyes and skin and may cause allergic reactions to those predisposed. Wear protective clothing, gloves and goggles. In case of contact with the eyes wash with plenty of water and seek medical advice.

For further information refer to the Technical Safety Data Sheet and Safety Data Sheets available for download from our website at www.mapei.com.au or alternatively contact Technical Services on Freecall 1800 652 666 or email Technical-AU@mapei.com.au.

Please dispose of product thoughtfully and avoid release into the environment.