

# PRIMER M

One-component, solvent-free primer for polyurethane sealants, for use on absorbent and non-absorbent surfaces



## WHERE TO USE

**Primer M** is used to improve the bonding of polyurethane sealants such as **Mapeflex PU45**, **Mapeflex PU40**, **Mapeflex PU50 SL**, and adhesives such as **Ultrabond P990 1K** and **Mapegum PU 1K**, on non-absorbent surfaces, such as metals (iron, steel, aluminium, copper, zinc-plated sheets), ceramic, glass and painted sheets or absorbent surfaces, such as concrete, etc.

**Primer M** should also be used for joints that are in frequent contact with liquids for lengthy periods of time or exposed to high mechanical stress after they have been sealed.

**Primer M** may also be used to promote adhesion on membranes from the **Purtop** line around joints that have been made in the membrane after the maximum covering time.

## TECHNICAL CHARACTERISTICS

**Primer M** is a one-component, ready-to-use primer which is totally solvent free. It has a base of polyurethane resins which cure quickly through the presence of humidity in the air. **Primer M** is based on a formula produced and developed in MAPEI's own Research laboratories.

## RECOMMENDATIONS

- Do not apply **Primer M** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **Primer M** on wet or damp surfaces.
- **Primer M** is not suitable as a primer for plastic materials.
- Avoid **Primer M** coming into contact with alcohol or solvents containing alcohol, they may have a detrimental effect on the curing of the product.
- Do not apply too much product on the surface.
- **Primer M** turns yellow when dry; make sure it does not go on surfaces near treated areas.
- Due to the quick curing phase of **Primer M** with the humidity present in the air, we recommend that the package is sealed immediately after use to conserve the product not used. If stored correctly, **Primer M** may be used again at a later date.

## APPLICATION PROCEDURE

### Preparation of the substrate

The surfaces to be treated must be clean, dry, and free of dust, oil, grease, and wax.

### Application of the product

**Primer M** is applied by brush or roller in a thin, uniform coat. Do not apply an excess amount of the product. Any successive sealant or adhesive must only be applied once the primer is no longer sticky to the touch, after approximately 40 minutes at +23°C and 50% R.H.

## CLEANING

Tools used to apply **Primer M** must be cleaned immediately with ethanol or with a special cleaning product, such as **Cleaner L**. After hardening, the product may only be removed using mechanical means.

## CONSUMPTION

0.100 kg/m<sup>2</sup> (10-15 g/m for joints with a depth of 1 cm).

## PACKAGING

250 g cans; 2 kg.

## STORAGE

Store **Primer M** 12 months in its original packaging in a dry place, at a temperature of between +10°C and +25°C.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Primer M** irritates the eyes, skin and respiratory system. It is also harmful if inhaled and may cause irreversible damage if used for long periods. May cause sensitisation to those sensitive to isocyanates if inhaled or if it comes in contact with the skin.

When applying the product it is recommended to use protective clothing, gloves, goggles and a safety mask to protect the respiratory system and to work only in well-ventilated areas. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT ONLY FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	brown
Density (g/cm <sup>3</sup> ):	1.05
Dry solids content (%):	100
Brookfield viscosity at +23°C - 50% R.H. (mPa·s):	70 ± 10 (rotor 1 - 10 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)	
Recommended application temperature range:	from +5°C to +35°C
Dust dry (min.):	40 ± 5
Waiting time before successive sealing or bonding operations (hr):	1

## 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](http://www.mapei.com)

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