

# Primer KL

**Bonding promoter for  
non porous surfaces  
and thinner  
for Primer MF**



## WHERE TO USE

Bonding promoter for epoxy, epoxy-polyurethane adhesives and thinner for **Primer MF**.

### Some application examples

- Bonding promoter for the grip of two-component epoxy-polyurethane adhesives on:
  - surfaces that are not very porous or non-porous such as marble, ceramic, gres, palladian and terrazzo tiles;
  - vitreous surfaces such as glass mosaic and glass;
  - metal surfaces such as iron, steel and aluminium sheets.
- Thinners for **Primer MF** for waterproofing screeds with a moisture content higher than the level specified for installing parquet and for mixing synthetic mortar.

## TECHNICAL CHARACTERISTICS

**Primer KL** is an adhesion promoter dissolved in a mixture of volatile alcohols that, once applied, help the drying process. The thinner the film of **Primer KL**, the greater the efficiency of the product.

The product works by binding chemically to both the substrate and the adhesive that will cover it, creating a bonding bridge.

## RECOMMENDATIONS

- Make sure the surfaces are free of oils and wax before applying the primer.

- Install on surfaces free of dust and dirt in general.
- Apply at temperatures between +5°C and +35°C.
- When used to dilute **Primer MF**, do not exceed the maximum permitted dose (0.8 kg for each 6 kg kit of **Primer MF**).
- Avoid abundant applications.
- Do not use with one- or two-component polyurethane adhesives.
- Carefully read the Safety Instructions paragraph.

## APPLICATION PROCEDURE

### Preparing the substrate

Substrates must be dry, solid and most importantly, clean. Wax must be removed from the floor using two methods: chemical or mechanical.

Chemical wax removal: dissolve 1 kg of sodium hydroxide in 10 litres of hot water. Carefully wash the floor with a normal cloth and brush.

Rinse using the same method mentioned above, using water acidified with muriatic acid, 1 litre in 10 litres of cold water.

The last rinse is carried out using pure water.

The next day, verify the removal of the wax prior to applying **Primer KL**.

If the wax is still present, remove it completely by mechanical means.

Mechanical wax removal: sand the surface with coarse grained sand paper (30, 36 or 40) until it is evenly roughened. Vacuum clean the dust and apply the primer.

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## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

Consistency:	liquid
Colour:	transparent pink
Density (g/cm <sup>3</sup> ):	0.80

### APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +5°C to +35°C
Drying time:	5 minutes
Set to light foot traffic:	after 5 minutes

## APPLYING THE PRODUCT

### • As a bonding promoter

Slightly wet a cotton cloth with **Primer KL** and rub it on the surface. Abundant applications are not recommended. The thinner the film deposited the better the product performs. This is the reason why only one coat is applied. As soon as the product dries (approximately 10 minutes depending on the season) the adhesive must be applied.

### • As a thinner for Primer MF

If you require **Primer MF** with more fluidity, the first coat may be diluted with up to one whole litre bottle of **Primer KL** (equal to 0.8 kg) for each 6 kg kit of **Primer MF**.

## Cleaning

While fresh **Primer KL** can be removed with alcohol, once hardened it can be removed mechanically or with **Pulicol 2000**.

## CONSUMPTION

On average approximately 0,3-0,4 kg/m<sup>2</sup>.

## PACKAGING

1 litre (0.8 kg) bottles in cartons of 12.  
10 litres (8 kg) drums.

## STORAGE

**Primer KL**, in its original well-closed containers and stored in normal conditions, is stable for at least 12 months.

## SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

**Primer KL** is highly inflammable. We recommend storing it away from heat and sparks, to avoid smoking, to prevent the build-up of electrostatic energy and to work in well ventilated areas. Furthermore, it is irritant for the eyes and the skin, and it may

also cause drowsiness and dizziness. It may cause sensitization in contact with the skin of predisposed subjects. We recommend to use protective gloves and goggles and to take the usual precautions for handling chemicals. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention. We recommend working in well ventilated areas. In case of poor ventilation, we recommend wearing the mask with filters.

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 FOR PROFESSIONAL USE.

## 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)

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



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