

# PRIMER PU FAST

Two-component polyurethane primer for absorbent substrates



## WHERE TO USE

**Primer PU Fast** is a two-component polyurethane primer used to treat absorbent surfaces, such as cementitious surfaces, before applying waterproofing membranes from the **Purtop** range.

**Primer PU Fast** may be applied on various types of substrate:

- concrete;
- cementitious screeds;
- mineral-based substrates in general.

## TECHNICAL CHARACTERISTICS

**Primer PU Fast** is a two-component polyurethane-based primer for absorbent substrates formulated in the Mapei R&D laboratories.

## RECOMMENDATIONS

- Do not dilute **Primer PU Fast** with solvent or water.
- Do not apply **Primer PU Fast** on substrates with rising damp or with more than 4% residual moisture.
- Do not apply **Primer PU Fast** on dusty or crumbling substrates or on substrates with oil or grease stains or stains in general. Substrates must always be prepared as specified.
- Only apply **Primer PU Fast** if the temperature of the substrate is at least 3°C higher than dew-point.

## APPLICATION PROCEDURE

### Substrate preparation

All substrates, whether new or old, must be sound, clean, dry and free of all traces of oil, grease, old paint and any other material which could affect adhesion of the primer.

Surfaces must be prepared (by shot-blasting, hydro-blasting or other suitable treatment) in order to form a slightly rough, absorbent surface.

Before applying **Primer PU Fast** remove any traces of dust from the surface with a vacuum cleaner.

### Preparation of the primer

Prepare **Primer PU Fast** with an electric mixer. To prepare the mix, blend the two components separately with an electric mixer at low-speed, pour the contents of component B into the container of component A and mix

for a few minutes until they are thoroughly blended; make sure you only prepare an amount that can be used within the maximum workability time (approximately 35 minutes at +23°C).

Application of primer

Apply two or more coats of **Primer PU Fast** (depending on the roughness of the surface) with a roller or trowel. Make sure all the pores in the surface are completely saturated and sealed.

CLEANING TOOLS

Tools used to mix and apply the product may be cleaned with thinners before it hardens. Once hardened, it may only be removed mechanically from tools and mixers.

CONSUMPTION

Approximately 0.15-0.3 kg/m² per coat, depending on the characteristics of the substrate. In general, the consumption rates below are for a seamless film on a flat surface and will be higher on uneven substrates.

PACKAGING

**Primer PU Fast** is supplied in metal cans: comp. A = 4.5 kg and comp. B = 5.5 kg.

STORAGE

**Primer PU Fast** may be stored for 12 months if kept in its original packaging in a dry area at a temperature of +5°C to +35°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Primer PU Fast** component A is not considered hazardous according to current norms and guidelines regarding the classification of mixtures.

**Primer PU Fast** component B irritates the eyes, skin and respiratory system. It may also cause sensitisation to those sensitive to isocyanates if it comes into contact with the skin and may cause permanent damage if used for lengthy periods.

If used at temperatures higher than +60°C the product may give off vapours that could be harmful if inhaled. In the event of sickness seek medical attention.

During use wear protective clothing, gloves and goggles, a safety mask to protect the respiratory system and 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 advice.

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

RESTRICTED TO PROFESSIONAL USERS.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Consistency:	liquid	liquid
Colour:	yellow	brown
Density (g/cm³):	1.0	1.2
Dry solids content (%):	100	100



Brookfield viscosity at +23°C (mPa·s):	850 (rotor 3 - 50 rpm)	100 (rotor 2 - 50 rpm)
APPLICATION DATA (at +23°C - 50% R.H.)		
Colour of mixture:	light brown	
Mixing ratio in weight:	comp. A : comp. B = 45 : 55	
Density of mix (g/cm³):	1.10	
Pot-life of mix (mins.):	approx. 35	
Brookfield viscosity of mix (mPa·s):	500 (rotor 3 - 50 rpm)	
Application temperature:	+5°C to +35°C	
Dust dry (h):	5	
FINAL PERFORMANCE		
Adhesion to concrete (EN 1542) (N/mm²):	> 2	

## 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)**

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

**ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.**

7490-2-2019-I-en

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

