

Primer P3

Two-component solvent-based polyurethane primer

WHERE TO USE

Primer P3 is a two-component primer in solvent used to promote adhesion of polyurethane finishing products to membranes from the **Purtop** range and to promote adhesion of **Purtop** membranes to existing bituminous membranes.

Primer P3 is also used as an adhesion promoter for **Mapeslope** levelling cementitious mortar when applied on bituminous membranes.

TECHNICAL CHARACTERISTICS

Primer P3 is a primer in solvent created according to a formula developed in MAPEI R&D laboratories and is compatible with waterproofing membranes from the **Purtop** range and **Mapeslope** levelling cementitious mortar.

Advantages

- Low viscosity.
- Reduced covering times.
- Easy to apply.

APPLICATION PROCEDURE

Preparation of the substrate

The surface to be treated must be clean and dry and have no traces of loose material, dust, dirt, grease, oil or any other material or substance that could affect adhesion of the product.

When used to promote adhesion to bitumen membranes proceed as follows. Clean the bitumen membrane to remove any substance or material that could affect adhesion of the waterproofing system. The membrane must be perfectly dry as the surface is inspected and any damage to the membrane, such as blisters, tears or detached areas, must be repaired beforehand by applying the primer.

Preparation and application of the product

Primer P3 is a polyurethane primer made up of two

pre-dosed components. To prepare the product, mix each of the two components for a few minutes and then pour component B into the container of component A. Mix the two components together with an electric mixer at low-speed to thoroughly blend them together (at least 3-4 minutes).

To reduce overlaying times for the product to around 4 hours add 1% by weight of **PU Catalyst** (catalyst for polyurethane products) and mix for a few minutes. Apply an even coat of **Primer P3** with a brush, roller or by spray (for application by spray, bear in mind the short pot-life of the product when scheduling the work).

When used as an adhesion promoter for polyurethane finishing products, apply the finish approximately 8 hours after the primer (or after 4 hours if **PU Catalyst** has been used). When used as an adhesion promoter on bitumen membranes, apply the **Purtop** waterproofing membrane 2-4 hours after the primer.

When used as an adhesion promoter for **Mapeslope** on bitumen membranes, apply the cementitious mortar approximately 2 hours after applying **Primer P3**.

Cleaning

Tools used to mix and apply the product must be cleaned immediately after use with polyurethane thinner, such as **Thinner PU**.

CONSUMPTION

Adhesion promoter for polyurethane finishes: approx. 50÷100 g/m².

Primer for bitumen membranes: 150÷200 g/m², depending on the roughness of the substrate.

RECOMMENDATIONS

- Do not dilute with water and/or solvent.
- Do not apply on wet surfaces.

Primer P3



TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	comp. A	comp. B
Consistency:	liquid	liquid
Colour:	white	transparent dark brown
Density (g/m ³):	ca. 1	0.9 ÷ 1.2
Dry solids content (%):	70	100
Brookfield viscosity at +23°C (mPa·s):	100 (needle 1 - 50 rpm)	90 (needle 1 - 100 rpm)
APPLICATION DATA A+B		
A/B ratio (by weight):	100/24	
Application temperature range:	+5°C to +35°C	
Workability time at +23°C (min.):	approx. 60	
Re-coat time at +23°C on polyurethane finish:	approx. 8 hours or approx. 4 hours adding PU Catalyst	
Re-coat time at +23°C on bitumen membranes before applying Purtop membranes:	2-4 hours	
Re-coat time at +23°C on bitumen membranes before applying Mapeslope:	approx. 2 hours	

PACKAGING

Primer P3 is supplied in A+B kits:

- component A: 5 kg + component B: 1.2 kg;
- component A: 1 kg + component B: 0.24 kg.

STORAGE

Primer P3 may be stored for 12 months in its original packaging in a covered, dry area at a temperature between +15°C and +25°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Primer P3 component A is highly inflammable. It is recommended to store it away from naked flames and sparks, to avoid smoking, to prevent the build-up of electrostatic energy and to work in well-ventilated areas.

Primer P3 component A may cause drowsiness and dizziness, both component A and B are irritant for the eyes. Primer P3 component B is irritant for the skin and the respiratory system, may cause sensitization if comes in contact with the skin of subjects sensitive to isocyanates. Furthermore, Primer P3 may cause irreversible damage for a prolonged use. If used at temperatures above +60°C, the product may release vapours that can be harmful and cause sensitization if inhaled. In the event of sickness seek medical attention.

During use, wear protective clothes, gloves to prevent dry and cracked skin, protective goggles, protect the respiratory tract wearing a mask, working in well ventilated areas. If the product comes in contact with the eyes or the 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 Safety Data Sheet.

PRODUCT ONLY 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

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All relevant references for the product are available upon request and from www.mapei.com



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