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 line and to promote adhesion of Purtop membranes to existing bitumen membranes. Primer P3 is also used as an adhesion promoter for Mapeslope levelling cementitious mortar when applied on bitumen membranes.

TECHNICAL CHARACTERISTICS
Primer P3 is a primer in solvent according to a formula developed in the MAPEI research laboratories and is compatible with waterproofing membranes from the Purtop line 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 inspect the surface and any damage to the membrane, such as blisters, tears or detached areas, must be repaired before 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% in weight of PU Catalyst (catalyst for polyurethane products) and mix for several 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 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.

WARNING
Do not dilute with water and/or solvent; do not apply on wet surfaces.

PACKAGING
Primer P3 is supplied in A+B kits:
TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Consistency:</th>
<th>comp. A</th>
<th>comp. B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Density (g/m³):</td>
<td>ca. 1</td>
<td>0.9 ÷ 1.2</td>
</tr>
<tr>
<td>Dry solids content (%):</td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>Brookfield viscosity at +23°C (mPa·s):</td>
<td>100 (needle 1 - 50 rpm)</td>
<td>90 (needle 1 - 100 rpm)</td>
</tr>
</tbody>
</table>

APPLICATION DATA A+B

| A/B ratio (in 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 |

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Primer P3 component A is highly inflammable. It is recommended storing 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, may cause sensitization if comes in contact with the skin of subjects sensitive to isocyanates. Furthermore, Primer P3 component B is irritant for the respiratory tract and a prolonged use may cause irreversible damage. The product does not give off harmful fumes at room temperature and under normal application conditions. The product may become hazardous and cause sensitisation if inhaled at temperatures above +60°C. In the event of sickness seek medical attention.

During use, wear protective clothes, gloves to prevent dry and chapped 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 Material 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

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.

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

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

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