

PRIMER EP

Two-component epoxy primer in solvents for consolidating and waterproofing cementitious screeds and industrial floors



WHERE TO USE

Use **Primer EP**:

- as a consolidating compound for mechanically-weak cementitious screeds insufficient binder or poor curing;
- as an isolating primer for anhydrite or gypsum screeds;
- as a waterproofing compound for porous surfaces;
- as a consolidating dust-repellent impregnating solution for industrial concrete floors and for surfaces over which floating floors are to be constructed;
- as a waterproof barrier over screeds, before laying the floor covering, to prevent residual moisture from rising.

TECHNICAL CHARACTERISTICS

Primer EP is a two-component epoxy resin-based primer in solvent solution that penetrates deeply into the substrate. When the solvent evaporates and the resins reticulate, the surface of the substrate becomes more solid, harder and resistant to abrasion.

RECOMMENDATIONS

- Do not use for renovation work in apartment blocks or near to residential buildings, to avoid the spreading of fumes from the solvents.
- Do not dilute **Primer EP** with solvents or water.
- Do not use on wet surfaces or in the presence of continuous rising damp.
- Do not apply cementitious skimming compound, while the primer is still fresh unless all the surface treated with **Primer EP** has been broadcast with dry 1:2 sand.
- If the **Primer EP** has a shiny finish, sand it down vigorously before installation.
- Do not apply cementitious skimming compound, unless all the surface treated with **Primer EP** has been broadcast with dry 1:2 sand.
- Make sure all solvent has evaporated off before proceeding with the next treatments. If the solvent has not evaporated off and remains in the substrates, it could affect the characteristics of the next treatment.

***N.B.** Make sure that adequate ventilation is provided in the area when the product is applied and until the solvent evaporates completely. Take all precautions necessary to prevent fires.*

HOW TO USE

Preparation of the substrate

- The surface to be treated must be dry, solid, clean, free of dust, loose particles, varnish and wax. The surface patina present on anhydrite screeds or cement laitance on concrete surfaces must be removed by mechanical abrasion to allow the **Primer EP** to penetrate. Remove the dust with a vacuum cleaner.
- If used as a consolidating compound for cementitious screeds, the porous surface to be treated must be dry. Any cracks must first be repaired with **Eporip** or **Epojet**.
- The surface must be porous enough to allow **Primer EP** to penetrate throughout the entire thickness (at least 35 mm).

Preparation of the product

Mix the two components carefully: one part by weight of part A with one part by weight of part B. Mix as much as can be used within 4 to 5 hours.

Application of the product

- *As a primer:* impregnate the surface evenly with a brush or roller without allowing pools of excess product to form. Wait for the solvent to evaporate completely before proceeding.
 - *As a waterproofer:* apply **Primer EP** in several coats with a brush or roller in order to close the surface pores completely. Wait for the solvent to dry between coats.
 - *As a consolidating compound:* apply as many coats of **Primer EP** as needed with a sprinkler, brush, or roller, to the point of saturation. Where not completely absorbed, sprinkle dry sand on the excess **Primer EP** while still wet. Wait for the solvent to dry between coats before proceeding.
- Excess accumulations of **Primer EP** which form a shiny, hard film must be mechanically removed before proceeding.

CLEANING

While still fresh, **Primer EP** can be removed from clothing and tools with solvents. When hardened, remove mechanically or use **Pulicol 2000**.

COVERAGE

As a primer: approximately 0.5 to 0.7 kg/m² per coat.
As a waterproofer or consolidating compound, coverage varies with the absorbency of the substrate.

PACKAGING

Primer EP is available in pairs of 5-kg drums.

STORAGE

Primer EP is inflammable. Therefore, all precautions as required by current legislation must be taken. Under normal conditions, **Primer EP** remains stable for at least 24 months if stored in its sealed, original container.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Primer EP component A and B are 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 sensitization in contact with the skin of predisposed subjects. The product contains low molecular weight epoxy resins that may cause sensitization if cross-contamination occurs with other epoxy compounds.

Primer EP component A may cause drowsiness and dizziness.

We recommend the use of protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. We recommend working in well ventilated areas. In case of poor ventilation, we recommend wearing the mask with filters.

The product is dangerous for aquatic life. Do not dispose of it in the environment.

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.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	part A	part B
Consistency:	liquid	liquid
Colour:	trasparent	trasparent



Apparent specific gravity (g/cm ³):	0.95	0.95
Maximum permissible residual humidity for waterproofing:	5%, measured using a carbide hygrometer (for screeds thicker than 6 cm)	
Dry solids content (%):	26	15
Mixing ratio, A:B:	1:1	
Workability time:	4 to 5 hours	
Application temperature range:	from +10°C to +40°C	
Drying time:	approx. 24 hours	

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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