



Primer EP

Two-component solvented epoxy primer 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 a levelling compound over the **Primer EP** if it is shiny (while the primer is still wet, sprinkle dry sand over it). If the **Primer EP** has already hardened, sand it vigorously.
- Wait until the solvent has completely evaporated before carrying out successive applications. Unevaporated solvent left on the substrate could be detrimental to the next procedure.

***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

Substrate preparation

- 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).

Preparing 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.

Applying 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.

Primer EP



TECHNICAL DATA (typical values)		
PRODUCT IDENTIFICATION		
	part A	part B
Consistency:	liquid	liquid
Colour:	clear	clear
Apparent specific gravity (g/cm³):	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
Storage:	24 months	24 months
Hazard classification according to EC 1999/45:	highly flammable, dangerous for the environment. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet	highly flammable
Customs class:	3907 30 00	
Mixing ratio, A:B:	1:1	
Working time of mix:	4 to 5 hours	
Application temperature range:	from +10°C to +40°C	
Drying time:	approx. 24 hours	

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**.

COVERAGE

As a primer: approx. 500 to 700 g/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 buckets.

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 part A and part B are highly inflammable. Do not smoke while using the

product, and do not apply or store close to naked flames or sparks.

Exposure to fumes given off by the solvent higher than the recommended limits may cause drowsiness or light headedness. Repeated contact may irritate the skin or eyes. Part A may cause rashes in those subjects sensitive to such products. Therefore, the use of protective clothing, gloves and goggles is recommended; apply the product in well-ventilated areas. **Primer EP** part A is hazardous to aquatic life. Do not dispose of the product in the environment.

FOR PROFESSIONALS.

WARNING

Although the technical details and recommendations contained in this report 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 applications; 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.

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