



TWO-COMPONENT SOLVENT FREE EPOXY PRIMER
FOR CONSOLIDATING OF CONCRETE STRUCTURES.



PRODUCT DESCRIPTION

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

FIELD OF APPLICATION

- It is used as a consolidating compound for mechanically-weak cementitious substrates.
- It is used as an isolating primer for anhydrite or gypsum screeds.
- It is used as a waterproofing compound for porous surfaces.
- It is used as a consolidating dust-repellent impregnating solution for industrial concrete floors.
- It is used as a waterproof barrier over screeds, to prevent residual moisture from rising.

SUITABLE SUBSTRATES

- Cement Mortar Bed
- Cement Plaster
- Cement Terrazzo
- Concrete
- Concrete and Brick Masonry
- Gypsum screed.

LIMITATIONS

- Do not use for renovation work in apartment blocks to avoid the spreading of fumes from the solvents.
- Do not dilute 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.
- Do not apply cementitious skimming compound on gloss finishing primer, sand before.

APPLICATION PROCEDURE

A) Preparation of substrate

The substrate should be dry, clean, and free from grease, oils, residual paint, and other loose material. In each case, the manufacturer's recommendations for gypsum-plaster must be followed, particularly as far as moisture content and level of surface finishing are concerned. Cracks in concrete surfaces must be repaired with Epoinject. Anhydrite surfaces must be sandpapered.

B) 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.

C) 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 waterproofing: apply 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 as needed with a sprinkler, brush, or roller, to the point of saturation. Where not completely absorbed, sprinkle dry sand on the excess primer while still wet. Wait for the solvent to dry between coats before proceeding. Excess accumulations of primer which form a shiny, hard film must be mechanically removed before proceeding.

COVERAGE / CONSUMPTION

The consumption of EPO PRIMER ST depends on the absorption and porosity of the substrate. Typical consumption is between 400 and 600 gr/m².

PACKAGING

EPO PRIMER ST is supplied in:

- 1 kg plastic can
- 5 kg plastic can
- 10 kg plastic can.

SHELF LIFE

Original sealed packaging of this product is guaranteed to be of first quality for 24 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

EPO PRIMER ST 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. EPO PRIMER ST 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

Product identity		
	Component A	Component B
Consistency	Liquid	Liquid
Color	Transparent	Transparent
Density (kg/m ³)	1050	900
Viscosity (mPa.s)	300	
Dry solids content (%)	30	20
Mixing ratio	1	1
Pot life	4 hours	
Application temperature	+5°C to +35°C	



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