



PRIMAPOX[®]



PRIMAPOX[®] 100 FLUID 100% Solids Two-Component Epoxy Primer

PRIMAPOX[®] 100 FLUID from Topciment[®] is a 100% solids epoxy primer with very low viscosity designed for use on porous, mineral, concrete, etc., surfaces, serving as a bonding bridge before applying finishes with resins.

Properties

- Specially recommended as a primer and bonding bridge on mineral and porous surfaces prior to applying finishes with epoxy, polyurethane, or acrylic resins.
- Suitable for floors, walls, pipes and ducts, maintenance, general containers.
- Good chemical, mechanical, and water resistance in general.
- For surfaces with a maximum moisture content of 4%.
- Very low viscosity product.

Preparation

Solvent-free product, no dilution is required. If necessary, to reduce the viscosity of the product, it can be diluted with up to 5% epoxy solvent from Topciment[®].

Prepare the mixture by adding component B to component A while stirring at low speed with a mechanical stirrer to avoid air entrapment in the product. Stir for 2-3 minutes. Always respect the mixing ratio. The surface must be dry, free of dirt, dust, and grease. Relative humidity exceeding 70% may cause surface haze (amine blush). Do not apply at temperatures equal to or below 8°C.

Consumption

It will depend on the intended use and application, as well as the roughness and porosity of the substrate. Generally:

- 0,15 - 0,3 kg/m²

Technical Data

- Appearance: Transparent
- Mixing Ratio: 62(A) : 38(B)
- Mix Density: 1.08 ± 0.02 g/cm³
- Mix Viscosity (23°C): 300 ± 100 mPa·s
- Pot-life (23°C): 20 ± 5 minutes
- Application Temperature: >8°C
- Shore D Hardness at 7 days: 81
- Touch Dry (23°C): 6 - 8h
- Curing (23°C): 7 days

General Characteristics

- Completely soluble in aromatic hydrocarbons, alcohols, esters, and ketones. Insoluble in water.
- Non-flammable product

Characteristics Component A

- Epoxy resins based on bisphenol A/F
- Solids: 100%
- Density: 1.13 ± 0.02 g/mL
- Viscosity: 700 ± 100 mPa·s at 25°C

Characteristics Component B

- Based on special cycloaliphatic amines.
- Solids: 100%
- Viscosity: 300 ± 100 mPa·s
- Density at 25°C: 1.03 g/mL

Application

Apply with a trowel, notched trowel, rubber float, roller, or brush.

Cures at room temperature by adding component B to component A in a ratio of 62 g resin + 38 g hardener. For ideal curing, it is recommended to wait up to 7 days after application. For higher thicknesses, it is recommended to apply the product in layers of 0.5 - 1 kg/m², respecting the surface hardening time between successive layers.

It is recommended to add the hardener to the resin and mix for 2 - 3 minutes until homogenized. Then, pour this mixture into another clean container and mix again. This prevents uncatalyzed resin from remaining in the final mixture. Immediately pour the resin onto the surface and spread it with a trowel or notched trowel. It can be distributed or leveled with a roller for epoxy floors. It is advisable to de-air with a spiked roller and/or heat gun once the product is spread to eliminate possible air bubbles.

Depending on the desired finish, it can be finished with one or two coats of COVERPOX® varnish, or with our COLORPOX® or LEVELPOX® resin systems.

The more product prepared, the less time available for application, as it is an exothermic reaction that generates heat, accelerating the curing reaction.

If coloring the resin is necessary, the appropriate amount of ARCOCEM® DYE should be added to component A and homogenized before mixing with the catalyst to avoid affecting the mixing life.

The application should be carried out at ambient temperatures and on the substrate between 8°C and 30°C, without wind or drafts. The relative humidity should be below 70% to avoid amine blush.

Due to being an exothermic reaction that produces heat, consider the ambient temperature in the mixing location. The mixing life can vary, as at high temperatures (summer), the mixing life shortens, and at low temperatures (winter), it lengthens. Not suitable for applications exposed to direct UV radiation.

It should not be used on damp substrates (maximum 4% moisture) or on concrete in direct contact with the ground without a vapor barrier.

Special Precautions

Read the safety data sheet before handling the product.

Non-flammable product. Irritates eyes and skin; prolonged exposure may cause skin dryness or cracking. In case of eye contact, rinse with plenty of water for 15 minutes and seek medical attention. In case of skin contact, wash with water and soap. Never use solvents or thinners. Do not ingest. In case of ingestion, do not induce vomiting and seek immediate medical attention.

It is recommended to adhere to the following measures:

- Good ventilation.
- Use a mask with chemical absorbent.
- Protective goggles to prevent splashes.
- Rubber gloves.

Empty containers should be disposed of in accordance with current legal regulations. To prevent the product from drying or thickening, close the lid after each use. For professional use only. Keep out of reach of children.

Packaging

It is available in containers of:

- 5 Kg (3.4 Kg of Component A + 1.6 Kg of Component B)
- 20 Kg (13.4 Kg of Component A + 6.6 Kg of Component B)

Tool Cleaning

Tools should be cleaned with universal solvent or epoxy immediately after use.

Storage Conditions

The product should be stored in its original closed container and protected from the elements at temperatures between 10°C and 30°C, in a dry and well-ventilated place, away from heat sources and direct sunlight. The shelf life is 1 year from the date of manufacture when stored properly.



The product should not be used for purposes other than those specified without first having written instructions for its handling. It is always the responsibility of the user to take appropriate measures to comply with the requirements established by regulations. The Safety Data Sheets for the product are available to professionals.

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