



EPOXY 100

ACCELERATOR



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Epoxy accelerator

Topciment® EPOXY 100 ACCELERATOR is an accelerating reagent for low viscosity epoxy hardeners. It accelerates the touch cure and the minimum application temperature, while reducing the pot-life of the mixture. Generally, 2-5% on the amount of epoxy resin (component A) is recommended, with a maximum of 7%.

Properties

- Additive to reduce the drying time of epoxy resins.
- Allows to reduce the curing time in low temperature applications (between 0 and 15°C).
- It can enhance yellowing in epoxy resins, so it is not recommended for finishes with high transparency, gloss or exposed to natural light.
- Low viscosity product.
- An excess of product can induce self-crosslinking of the epoxy resin.

Preparation

Solvent-free product, does not require dilution. First add EPOXY 100 ACCELERATOR to component A and homogenise the mixture with mechanical stirring at low speed. Then, incorporate the mixture on component B while mixing at a low speed with a mechanical stirrer, in order to avoid the occlusion of air in the product. Stir for 2 - 3 minutes. Always respect the mixing ratio.

Consumption

Depends on intended use and application, environmental conditions and type of hardener used. Typically:

- - 20 - 50 g per kg of epoxy resin (component A).

Technical data

- Colour: yellowish
- Density: $0,98 \pm 0,02$ g/cm³
- Viscosity (23°C): 200 ± 50 mPa-s
- Flash-Point: 149°C
- Amine Index: min 608 mgKOH/g
- Solubility in water: 3 g/L
- pH: 11,3

General characteristics

- Contains: 2, 4, 6-tris(dimethylaminomethyl)phenol; Bis((dimethylamino)methyl)phenol.
- Complete solubility in aromatic hydrocarbons, alcohols, esters and ketones. Sparingly soluble in water.
- Corrosive and non-flammable.

Application

Add EPOXY 100 ACCELERATOR to component B beforehand and homogenise the mixture with mechanical agitation at low speed. Then, incorporate the mixture on component A while mixing at low speed with a mechanical stirrer, in order to avoid occlusion of air in the product. Stir for 2 - 3 minutes.
Always respect the mixing ratio.

Because it generates an exothermic reaction (produces heat), it is necessary to take into account the ambient temperature at the mixing site. The mixing life time may vary, as at high temperatures (summer) the mixing life time of the mixture is shortened and at low temperatures (winter) it is lengthened. Not suitable for applications exposed to direct UV radiation

Special precautions

Read the safety data sheet before handling the product.

Non-flammable product. Corrosive product.

In case of contact with eyes, rinse with plenty of water for 15 minutes and seek medical advice.

In case of contact with skin wash with soap and water. Never use solvents or thinners. Do not swallow. In case of ingestion do not induce vomiting and seek medical attention immediately.

The following measures are recommended:

- Good ventilation.
- Use of chemical absorbent mask.
- Protective goggles to avoid splashing.
- Rubber gloves.

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

Packaging

Available in 35g, 140g, 1 Kg and 5 Kg packages.

Cleaning of tools

Tools are washed with universal solvent or epoxy immediately after use.

Storage conditions

The product should be stored in its original closed container and protected from the weather 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, if stored properly.



The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legislative requirements. The Safety Data Sheets of the product are at the disposal of the professional.

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