



B-POX®0480

Versatile epoxy resin system

Liquid, unfilled and solvent-free epoxy resin, combined with a polyamine adduct as hardener component, with low viscosity.

The product is fully reactive, and cures with very low heat development and without volume change to a tough, low-stress, thermoset plastic.

The setting time at room temperature is comparatively long, but can be shortened within limits by activators if required.

IMPORTANT: The product particularly meets the EU's increasingly stringent, industrial hygiene requirements for reactive resins.

It contains no reactive diluents classified as irritant, no benzyl alcohol (!) and is also extremely low in odour.

Processing **B-POX® 0480 is recommended for**

- **Moulds and tools in model making,**
- **Shaped parts made of polymer concrete. For mechanical engineering, sanitary elements and for building applications,**
- **Casting compounds for electrical and electronic components,**
- **Laminates with glass, carbon or textile fibres for technical components, printed circuit boards, sporting goods and in boat building,**
- **contact grouting injections for cracked and also for old, deteriorated substance in the building industry,**

and for similar applications, where the slow curing and long open times is a big advantage for handling and application.

B-POX®0480 is a typical 2-component system consisting of master resin and hardener component. The mixing ratio of the components - 2:1 by volume - facilitates processing, both with dosing systems and when manually processed from economical bulk containers.

The components must be mixed carefully and thoroughly. Even when preparing small quantities, always use a mixer, replot the mixture after mixing and mix thoroughly once again.

Properties

A Component	Bisphenol A liquid resin (epoxy resin)
B Component	Polyamine adduct, without solvent or thinner
Supply form	Clear, oily liquids
Ratio	2 : 1 by volume (A : B)
Mixed viscosity	180 - 240 mPa.s / 20° C
Colour	Light yellow
Pot life	6 - 7 hours at 20° C
Curing time	36 hours at 20° C
Fully hardened	7 - 8 days / 20° C
Application temperature limits	+ 8° C till + 40° C

Safety Instructions

They contain all necessary and up-to-date information on the safe handling of product components and their disposal. We recommend making these safety data sheets available to all those who handle the product.

HydroCat®060

Activator / accelerator for epoxy resins. **Reduces** the gel time (pot life) and accelerates the curing. Add a maximum of 5% to the mixture of resin and hardener.

HydroSolv®520

Safety cleaner and solvent for reactive resins. For cleaning of processing equipment, machines etc. Excellent solvent for all liquid resins, high flash point, no marking according to legal regulations, physiologically absolutely harmless, no marking!

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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