

Tooling resin - Description

Tooling resin FIBROLIT®-ZWO

Tooling resin FIBROFIX®-SECHS

Description:

The two tool casting resin products 280.02 FIBROLIT®-ZWO and 280.08 FIBROFIX®-SECHS are used in very different applications and each consist of the two components casting resin and hardener.

Casting resin and hardener are mixed in a certain ratio and react irreversibly to form a solid (thermoset) through a chemical cross-linking reaction. The cross-linking reaction is started by mixing the casting resin and hardener. During what is known as the pot life, the casting resin is liquid and processable. It must then be processed mechanically.

For the typical use in tool-making, the casting resin contains optimised fillers. The hardener contains accelerators and additives that ensure a curing time that is not excessively long.

For surfaces on which the tool casting resin should not adhere, the use of 280.822405 release agent or 280.27 release agent FIBROLIT®-TW is recommended.

Casting resin and hardener are substances which are hazardous to health and the environment when not cured. Special protective measures according to the safety data sheets must therefore be observed.



280.02 Tooling resin FIBROLIT®-ZWO

Description:

The tool casting resin FIBROLIT®-ZWO is an epoxy resin for use in tool construction and other applications. The can size is dimensioned so that thorough stirring and mixing can be carried out in the can. The two components are optimally matched with regard to the quantity ratio to guarantee complete curing of the casting resin. The casting resin must be thoroughly stirred before and after adding the hardener. This is the only way to ensure perfect curing.

If smaller quantities are to be removed, a mixing ratio of casting resin/hardener of 18:1 (parts by weight) must be observed.

Note:

Follow the instructions for use!

Physical characteristics, chemical resistance and application examples on the following pages.

Despatch packaging contains:

- 1 can of casting resin, 365 ml
- 1 bottle of hardener, 50 ml



280.08 Tooling resin FIBROFIX®-SECHS

Description:

Casting resin units for fast and clean processing of small quantities of casting resin. FIBROFIX®-SECHS has the same properties as FIBROLIT®-ZWO, so the same processing instructions apply. The application is preferably carried out with an injection gun 280.09.

Note:

Follow the instructions for use!

Physical characteristics, chemical resistance and application examples on the following pages.

Despatch packaging contains:

- 6 cartridges of casting resin, 33 ml
- 6 hardener ampoules, 4 ml
- 1 stirring rod