

COPPER EPOXY REPAIR SYRINGE SERINGUE EPOXY REPARATION CUIVRE

USAGE

Two-compound liquid epoxy that sets rapidly to repair leaks, fissures, and holes on rigid metal pipe work, in particular made from copper, brass, and bronze. It can also repair plastic pipe work (e.g. PVC).

- Easy to use: syringe for easy dosing, spatula supplied for mixing and application, packaging shell serves as container.
- Can also be used to repair broken objects and to stick different metals together.

Technical Characteristics

Specifications	Characteristics
Type	Two-compound epoxy resin.
Final colour	Brown.
Shore D hardness	82
Withstands temperature	-40°C to +93°C
Pressure resistance	Up to 20 bar after one hour's drying.
Adhesive strength	Up to 55 kg / cm ² (copper to copper)
Start of setting	5 minutes
Full hardening time	12 hours
Compatibility	Water, treated swimming-pool water, common household products.
Compatible rigid materials	Copper, bronze, brass, stainless steel, cast iron, PVC, PVCC, fibreglass, wood, concrete (except PE, PP, PTFE and asphalt).
Application to wet surfaces	Yes, but not immersed.
Paintability	Yes, after full hardening.

Application

Preparation

- To repair a pipe, cut off the water supply to have a dry surface if possible.
- Abrade the surface to improve adhesion.
- Clean and degrease with an appropriate solvent (alcohol or acetone).

Instructions for use

- Cut the end of the syringe using a cutter.
- Remove the safety that is between the two pistons. It will serve as a stopper to close the syringe, thus allowing unused product to be kept.
- Press the syringe to obtain the desired amount of product. The plastic shell of the packaging serves as a container.
- Close the syringe using the stopper.

- Mix the two compounds using the spatula to obtain a smooth mixture (about 1 minute).
- Apply the mixture obtained within 5 minutes. For a pipe repair, apply the product to a thickness of about 2 mm, taking it 1 cm or 2 cm beyond the area of repair. For adhesion, apply the product to one of the surfaces, then bring the two surfaces into contact. Depending on the weight of the object to stick, spread if necessary during the entire hardening time.
- In all cases, wait for at least 1 hour before use, and if possible for 12 hours to obtain full hardness.

Material cleaning

- The spatula and the plastic shell are more easily cleaned by scratching after hardening.
- If necessary, the fresh product can be cleaned with a solvent (alcohol or acetone, depending on the surface).
- Hardened product can only be removed mechanically.

Storage

Store at a temperature of between +5°C and +35°C.

The expiry date on the packaging is for unopened product, stored at 20°C in normal hygrometry conditions.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check that you have the latest version before use.

The safety datasheet is available online at www.quickfds.com