



INSTRUCTIONS FOR USE - ENGLISH

603 RESIN

COLD MOUNTING

Metallographic mounting resin transparent with no shrinkage

Characteristics

The 603 resin is a bi-component liquid epoxy resin curing under room temperature.

Proprieties

This resin can be used to mount any type of material. It adheres perfectly to the surface of mounted samples which guarantees metallographic mounting with negligible shrinkage.

The hardened resin is transparent.

The mounted samples are available for further metallographic processing after a hardening time of 10 hours (at 25°C).

The hardening process can be accelerated by heating the resin to 70-80°C.

Use

The metallographic samples have to be deburred and degreased before mounting. Wash the mould with alcohol and dry it well to prevent any contamination during mounting. Lock the mould parts tightly and place the sample to be mounted at the centre of bottom surface of the mould.

This resin is easy to use. Mix two spoons* of liquid-603.2 resin and one spoon of hardener-603.2 in a disposable cup.

During the mixing process, make sure to scrape the walls of the cup to assure a homogeneous mixing of the resin and hardener. Pour the mixture into the mould(s), before 15 minutes(maximum) after mixing. (beyond this time, the mixture becomes too viscous).

To allow a good impregnation of the porous and complex samples, it is advisable to use the M.M.806 device. This equipment will ensure that the mould is free from bubbles.

Preservation

The 603 resin and hardener has to be stored in a cool and dry place, away from sunlight.

Safety/Precautions

It is highly recommended to use safety gloves and lab protective spectacles while handling the resin and hardener.

If the resin spills, use an alcohol and a cloth/tissue to clean the surface immediately.

If the resin hardens, use an organic solvent and a sharp object to scrape it off the surface.

*One spoon represents the volume that could be contained by one full spoon provided with the resin. One batch of mixture prepared could fill two moulds (40 mm diameter) completely.