



INSTRUCTIONS FOR USE - ENGLISH

605

Cold Mounting Resin

Multi-use methylmethacrylate resin, suitable for most materials for quick and easy sample mounting.

1. Fields of use
2. Material
3. Properties
4. Mounting resin
5. Solubility
6. Use and preparation
7. Mix
8. Hardening
9. Safety advice



1. Fields of use

Metallographic tests, mounting metallic pieces for polishing.

2. Material

Bicomponent autopolymerisant resin made from methyl methacrylate in powder and liquid forms. Colour: green.



3. Properties

The resin obtained is suitable for casting and mixing, depending on the proportions of the mix. Hardens quickly, between 4 and 10 minutes.

4. Mounting Resin

Quick, easy and safe to use with neither pressure nor additional heat. Ultra-hard with high resistance to abrasion. The hardened material can be sawn, drilled, moulded around, altered, polished. Hardens at room temperature.

5. Solubility

The resin is subject to expansion only when in contact with solvents. Polyethylene sheets and Hostaphan are not affected and can therefore be used to insulate and cover the resin or to re-surface moulds.

6. Use and Preparation

Surfaces which are in contact with the resin must be clean and grease-free before the mounting process. Ethanol or isopropyl alcohol can be used for degreasing. Polyethylene moulds in Teflon or silicone are appropriate for mounting.

7. Mix

The mix is prepared using 2 parts powder to 1 part liquid. The proportion may vary depending on the desired consistency. Pour the liquid into a receptacle and gradually add the powder. Mix well using a spatula until all the powder is wet and the liquid is completely absorbed. Avoid abrupt movements whilst mixing so that no air is incorporated. Use waterproof cardboard, polyethylene or Pergamine receptacles and wooden or stainless steel spatulas to mix the resulting resin.

8. Hardening

Hardening begins when the powder and liquid are mixed. The process can be accelerated using heat or slowed down using cold, but it cannot be stopped. The heat released during hardening can cause bubbles to form, and for this reason no more than 30g of product (e.g. 20g of powder and 10ml of liquid) should be mixed at any one time. Where higher quantities are concerned, heat can be evacuated through cooling, by plunging the pieces into cold water or placing them under running water. Larger pieces can be produced without bubbles forming by applying several layers. New layers are only mixed and applied once the previous layer has cooled and dried. To obtain bubble-free pieces, it is recommended that drying is carried out under pressure using the LAM PLAN M.M.808 (at a pressure of approximately 2 bars).

9. Safety Advice

Please refer to the packaging and/or the safety data file.

References

1,5 kg set - 1 x 1000 g powder	
+ 1 x 500 ml catalyst liquid	06 00605 00
1 x 500 ml catalyst liquid	06 00615 00
15 kg set - 1 x 10 kg powder	
+ 1 x 5000 ml catalyst liquid	06 00605 10
1 x 5000 ml catalyst liquid	
(packaging 2 x 2500 ml)	06 00615 10

M.M.808 for pressurised polymerisation of cold mounted resins. Prevents bubbles forming in the mount with no effect on the physical characteristics of the resin.

CODE 08 00808 20

