



INSTRUCTIONS FOR USE - ENGLISH

609 RESIN

COLD MOUNTING

Bi-component methyl methacrylate resin.
Transparent and CMR* free.

Areas of use

Resin 609 has been specially developed for metallographic sample embedding.

Material

Methyl methacrylate based autopolymerising fast hardening resin. Composed of liquid and powder.

**Carcinogenic, mutagenic, reprotoxic*



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COMPANY CERTIFIED
ISO 9001

Properties

Depending on the proportions of the mixture, the material is suitable for pouring or modelling. Drying time and the degree of transparency can be modified according to the dosage used.

Implementation

Simple to implement, safe and fast without heat, but requiring use of the LAM PLAN M.M.808 to obtain transparency, strong hardness and high resistance to abrasion. The hardened material can be sawn, milled, drilled, lathed, modified and polished.

Preparation

Surfaces in contact with Resin 609 must be clean and free of grease before carrying out embedding. For degreasing, use ethanol or isopropyl alcohol. For embedding the use of polyethylene, rubber or silicone moulds is recommended.

Mix

Depending on the desired transparency, resin 609 is mixed as follows :

- Standard mix : 2 parts powder to 1 part liquid – medium transparency, hardening time : approx. 8 minutes at 20°C.
- Special mix : 1 part powder to 1 part liquid – excellent transparency, hardening time : approx. 15 minutes at 20°C.

Drying time may increase at ambient temperatures below 20°C.

Mix with a spatula until all the powder is moistened and the liquid has been fully absorbed. Avoid beating the mixture in order to avoid introducing air bubbles. Before pouring the product, remove air bubbles by tapping the receptacle once, firmly on the table.

Hardening

Hardening begins when the powder and liquid are mixed. It can be accelerated by heating or slowed down, but not stopped, by cooling. The heat released during cooling can cause pores to form. It is essential to avoid adding more than 30 g of product (powder and liquid mixed) to the same embedding. For larger preparations, it is advisable to use layer by layer application. But a new layer must not be added before the previous layer is hardened.

Safety advice

Consult the safety information file, available for downloading at www.lamplan.com, before using this product.

Storage

Store in the original hermetically sealed packaging, away from light and heat (maximum 25°C).

Expiry

See expiry date on product packaging.

Presentation

Powder resin and liquid catalyst.

Kit powder (1 kg) + catalyst (500 ml) - CODE 06 00609 00
Catalyst (500 ml) - CODE 06 00619 00
Powder (1 kg) - CODE 06 00609 20
Kit powder (10 kg) + catalyst (5 l) - CODE 06 00609 10
Catalyst (5 l) - CODE 06 00619 10

M.M.808: cold embedding pressure polymerisation machine.
CODE 08 00808 20



CODE : EEMPLR609