



RESIN8 DOMING EPOXY RESIN INSTRUCTIONS

RESIN8 Doming Epoxy Resin is an easy to use, thick epoxy resin for use in jewellery making. This low odour, two-part resin is designed for use at room temperature and creates a really high dome. It has a long pot life and cures overnight.



Key benefits of Resin8 Doming Epoxy Resin:

- 2:1 by weight (2 parts resin : 1 part hardener)
- Works well in cool temperatures (15 °C)
- High Gloss
- Optically Clear
- Pot life: 30 - 45 minutes
- Cure time: 12-18 hours
- Non-flammable
- Low odour

HEALTH & SAFETY

- When using small quantities, it is essential wear nitrile gloves and cover bare skin. Eye protection is essential.
- When using large quantities, it is essential to wear nitrile gloves, long-sleeved clothing to cover skin on arms, eye protection in case of splashes and a suitable face mask.
- Wear an appropriate respiratory mask if using in large quantities and if rubbing down with abrasive papers.
- Eat, drink or smoke away from resin.

Without protection, the resin and hardener may cause irritation and burns to the skin and are harmful if inhaled or swallowed. The hardener can cause severe burns.

- If in contact with skin, remove all contaminated clothing. Drench the affected skin under running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- In case of contact with eyes, bathe the eye with running water for 15 minutes and transfer to hospital for specialist examination.
- If swallowed, wash mouth out with water. Do NOT induce vomiting. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

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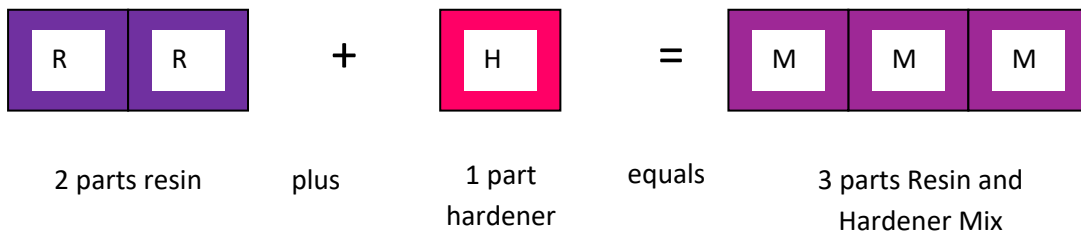


TECHNIQUE

Mixing Ratio

All epoxy resins come in two parts - resin and hardener (like araldite glue) which have to be mixed well together. The standard mix ratio for Resin8 Doming Epoxy Resin is as follows:

2 parts RESIN : 1 part HARDENER
by weight (milligrams, grams)



Weigh into clean plastic cups or jugs. Once the resin and hardener have been weighed out, pour the hardener into a clean plastic cup, add the resin and stir for at least 2 minutes.

You can measure out Doming Epoxy Resin and Hardener by volume, although we recommend using the measurement by weight as above. The mixing ratio by volume is 100 parts RESIN to 50 parts HARDENER pro rata.

Working Time

The time you have to work with the resin is dependent on the conditions you work in - especially the temperature. Resin8 Doming Epoxy Resin has a working time of around 30-45 minutes. The temperature of the room will come into play - the **warmer** the workroom the **less** time you have. This resin is designed to be able to work at a temperature of around 15°C.

Adding Colour and Embedding Items

Transparent and opaque pigments and dyes can be added to the resin and hardener mix.

- Add less than 2% of transparent pigment or 10% of opaque pigment to the resin and hardener mix.
- A drop of transparent pigment is enough for most jewellery quantities and can be stirred into the cup of resin and hardener mix.
- Opaque pigment mixes in best if an apple pip sized amount of pigment is put on a sheet of laminated paper or a white bathroom tile and then some resin mix is blended into it with a palette knife. This is to ensure there are no streaks of pigment in the resin. The pigmented resin can be added to a larger quantity once this is done.

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- Mica powder, glitter, sequins, photos, etc can be used with the resin mix – please watch our videos for demonstrations on how to do this.

Casting into Moulds and Mounts

Before mixing the resin and hardener prepare your moulds or jewellery mounts.

- Make sure all moulds are clean and dry and put them on a level surface – we suggest using an acrylic block or flat ceramic tile for this.
- Fix jewellery mounts onto a level base – again we recommend using acrylic blocks which will not warp with heat and contain no moisture. Fix the piece with Blu-tack, making sure that no tack goes over the edge of the piece as this might draw resin over the edge by capillary action. Ensure that the bail is hanging off the edge so that the piece is completely flat.

Curing

Before you leave the finished item to cure, put a tester of the resin and hardener mix on a piece of masking tape at the side of your finished item. This way you can test this piece of resin and avoid putting any unwanted marks on your jewellery.

Leave to cure in a dust-free place for 12-18 hours or overnight. This time will depend on how warm or humid the atmosphere is in your workshop.

Tips and tricks

- If you are embedding a photo or paper in resin, seal it with a coat of hairspray or PVA glue front and back.
- Glue paper and fabric in with epoxy glue or PVA glue (which must be completely dry before you use it).
- Experiment by adding beads, sequins, skeleton leaves and other embellishments.
- Air bubbles on the surface can be removed by gently wafting a gas flame above the resin item, before leaving it to cure.

Storage and shelf life

Resin8 Doming Epoxy Resin containers should be kept well sealed and well out of the reach of children. They should be stored at a constant temperature between 10 – 25°C and used within twelve months. Freezing must be avoided. Should the resin and/or hardener get very cold they can be warmed up by siting the containers in medium hot water or on a radiator.



FURTHER INFORMATION

Technical Data Information as well as Materials Safety Data Sheets (MSDS) for Resin8 Doming Epoxy Resin can be found at www.resin8.co.uk. If you have any questions don't hesitate to contact us.

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The above information and recommendations are based upon our experience and are offered merely for advice. They are offered in good faith but without guarantee, as conditions and methods of use are beyond our control. It is the responsibility of the end user to determine the suitability of the materials for the particular purpose intended.

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