



RESIN8 SLOWCURE EPOXY RESIN INSTRUCTIONS

Resin8 Slowcure Epoxy Resin is a crystal clear formulation for use in jewellery, sculpture and art. This jewellery resin is primarily for casting into moulds, encapsulation and making paperweights. It works perfectly for filling ready-made jewellery mounts, is great for embedding items into, can be used for cold enamelling, can be coloured with pigments and dyes, have powder and glitter added as well as alcohol inks and pastes. Please refer to the **TECHNICAL DATA SHEET** for more in-depth information.

Key benefits of RESIN8 Slowcure Epoxy:



- Water clear resin
- Minimal bubbling
- Displays very little yellowing
- 2:1 by volume measuring
- Low exotherm (therefore works well in volume casting)
- Low viscosity
- Pot life: 2-4 hours
- Cure time: between 19 and 48 hours
- Non-flammable

HEALTH AND SAFETY

- When using small quantities wear an appropriate barrier cream or nitrile gloves and cover bare skin. Eye protection is recommended.
- When using large quantities wear nitrile gloves, long-sleeved clothing to cover skin on arms, eye protection in case of splashes and wear a suitable face mask.
- Wear an appropriate respiratory mask if using in large quantities and if rubbing down with abrasive papers.
- Only eat, drink or smoke away from your work area when working with Slowcure Epoxy resin.

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

- If in contact with skin, wash immediately with plenty of soap and water.
- In case of contact with eyes, rinse immediately and seek medical advice.
- If swallowed, seek medical advice. Do not induce vomiting.

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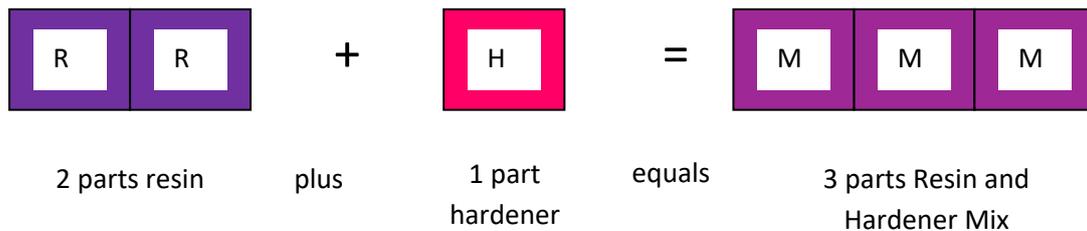
TECHNIQUE

We advise that you warm the resin before use. The resin can crystallise when stored at a low or extremely high temperature and warming the resin before use will disperse the crystals ensuring that your pieces cure properly. To warm the resin, stand the bottle in medium-hot water for 5 minutes (ensuring no water gets inside the resin bottle) or pop it on the radiator. You do not need to warm the hardener bottle.

Mixing Ratio

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

2 parts RESIN : 1 part HARDENER
by volume (millilitres, litres)



Graduated measuring cups are the best for measuring but you can use 2 equal size cups and measure out 2 cups of resin to 1 cup of hardener.

Once the resin and hardener have been measured out, pour the hardener into a clean plastic cup, add the resin and stir for 2 minutes. You will be able to see a difference in the 2 liquids to start with and that will disappear as they are stirred together.

You can measure out Slowcure Epoxy Resin and Hardener by weight, although we recommend using the measurement by volume as above. The mixing ratio by weight is 100 parts RESIN to 45 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 Slowcure Epoxy has a working time of up to 4 hours so you should have plenty of time to work with it. The temperature of the room will come into play - the **warmer** the workroom the **less** time you have

Adding Colour and Embedding Items

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

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- 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.
- Mica powder, glitter, sequins, photos, etc can be added to 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, and ensuring that the bail is hanging off the edge so that the piece is completely flat.

Curing

Before you leave the finished item to cure remember to put a tester of the resin and hardener mix on 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 warm (at least 20°C), dust-free place for 19-48 hours. 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
- 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 enamelled item, before leaving it to cure

Storage and shelf life

Resin8 Slowcure Epoxy containers should be kept well sealed and well out of the reach of children. They should be stored at a constant temperature between 5 – 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 sitting the containers in medium hot water or on a radiator.

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FURTHER INFORMATION

If you have any questions don't hesitate to contact us. Please visit the web site (www.resin8.co.uk) for news of latest products.

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