



fast cure
Artist & Hobbyist Resin
Mix Ratio By Volume: 1:1

www.rpmsupplies.com

Art Cast Epoxy Resin is an ambient temperature curing, optically clear, solvent & odour free, non flammable epoxy coating & casting resin, developed specifically to seal and provide hard wearing, clear gloss surface for Paintings, Artwork, Jewellery Making, Wood Turning Blanks, Embedded Objects & much more. It has a good surface heat resistance of upto **50°C**. The appearance of this clear resin can be altered by simply adding a coloured pigment. **example:** Translucent, Opaque, Metallic, Neon, available in liquid or powder form.

Application must be at 18°C - 25°C

The system can be applied by hand pouring & with the use of a rubber squeegee can easily be pushed around to cover the surface of your workpiece. You can also use a brush or roller if needed.

Mix in the **ratio of 1:1 by volume** until it is a uniform colour & consistency.

Note: The mixing ratio must be accurately followed, it is not possible to change the ratio, this would result in lower mechanical properties & the resin would not dry correctly. The two part mixture must be stirred thoroughly for **3-4 minutes** to ensure full homogeneity. Only mix up the necessary amount needed, as large amounts of epoxy tend to heat up a lot faster!

Level: Ensure your work piece is perfectly flat & level, otherwise the resin will run off your surface or pool at its lowest point.

Bubbles: Oxygen bubbles can occur during the mixing & pouring process, and may take longer to disperse if the ambient temperature is lower than recommended (**18°C-25°C**). Using a blowtorch you can burst stubborn oxygen bubbles by carefully passing the flame over the area making sure not to burn the resin. (**20cm distance**).

Protection & Clean up: You will need to keep your resin project covered or in a safe dust free area for at least **4-8 hours**. Any tools or spillages can be cleaned with Acetone.

Curing: This resin will cure at different rates based on the volumes and thickness poured.

Approximate Guide:

- Working time before curing starts: = 15 Minutes
- Touch dry: = 4-5 hours
- Ready for de-moulding: = 12 hours
- Fully cured: = 24 hours
- Coverage: 1Ltr of mixed resin = 1sq mtr @ 1 -2mm thick.

(**Store Resin Containers @ Room Temperature**)

EPOXY RESIN



General Safety Information:

Store epoxy safely, out of reach of children to prevent the resin from coming into contact with the skin or being swallowed. Some people are allergic to epoxy. They may suffer from redness, itching, watery eyes and shortness of breath. These symptoms pass, but avoid further skin contact with uncured epoxy.

If you work with epoxy, we recommend using face & skin protection. Always use proper respiratory protection when sanding wood or epoxy! If your skin does come into contact with epoxy, do not use chemicals; you should remove it as soon as possible before it cures, we recommend trying one of these methods.

Water & Soap: Most of the time, simply washing your hands in warm soapy water is enough to remove epoxy. Rub with a cloth if necessary.

Vinegar: If soapy water didn't do the trick, try soaking a cloth or cotton ball in vinegar and gently rub it on the affected area. The epoxy should soften, so you can simply peel it off. This technique should also work on cured epoxy adhesive.

Citrus-based waterless hand cleaner: Pour some citrus-based hand cleaner to remove epoxy from skin and rub with a cloth, before rinsing the skin in warm water.

General advise: Always use gloves (preferably nitrile gloves) and avoid contact of uncured epoxy resin with the skin. The resin and hardener have a low flammability, but be careful; other common chemicals used along side epoxy resin such as acetone and thinners are highly flammable. (**If you have any health problems contact your doctor**)

Other: Epoxy can be used for at least 2 years if stored in a dark and safe place at room temperature.

Epoxy has a tendency to crystallise sometimes, in the case of this please take a look at our information sheet on "**The Crystallization Of Epoxies**".

DISCLAIMER:

All our products are provided with clear instructions for use. For any questions about safe use, we are always available in store or over the phone. We are not liable for damage resulting from the use of products sold by us "RPM Supplies Ltd". We always recommend that you test the product by making a sample first. This way you can assess whether the desired result is achieved.