

ARTLINE UV RESIN

Single-Component • UV-LED Cure

Fast Curing, Odourless, Low Viscosity
For Model Making, Crafts & Jewellery



- Single-component, UV-curable resin – no mixing, no measuring, no waste
- Colourless and transparent after curing, with excellent clarity
- Low viscosity (about 1900 mPa·s), lets air bubbles escape easily
- Low odour, minimal shrinkage, fast surface drying
- Cures in minutes under UV-LED light or direct sunlight
- Hardness after curing: 85 Shore D – strong and durable

APPLICATION:

- Model making and miniatures
- Transparent gluing and bonding of small parts
- DIY craft projects and jewellery
- Crystal-effect and semi-transparent artworks
- Fast repairs and detail work where a quick, clear cure is needed

IMPORTANT!

This is a **single-component** resin – it does not need to be mixed with a hardener. It stays liquid and workable as long as it is kept away from UV light and direct sunlight, and only hardens once it is deliberately exposed to a UV-LED lamp or sunlight.

Work in a shaded area and keep the container closed when not in use, otherwise the resin may start to cure inside the bottle.

STORAGE:

This product is sensitive to light and heat. Store the bottle tightly closed, in a cool, dry place, away from direct light and UV sources. Recommended storage temperature: 10–28°C. Shelf life: 12 months from the date of manufacture.



METHOD:

Always use gloves and eye protection!

1. **PREPARE.** Work in a clean, well-ventilated area, away from direct sunlight and other UV sources. Wear protective gloves and eye protection while working.
2. **POUR.** Remove the cap and inner seal. Attach the precision nozzle and slowly dispense the resin into a clean mould or resin-safe container. Pour slowly to minimise air bubbles.
3. **CUSTOMIZE (optional).** Add compatible colourants and/or inclusions. Do not exceed 5% additive by weight, and mix thoroughly before pouring or applying.
4. **CREATE.** Pour the resin into your mould, or apply it with a silicone brush. Pop any surface bubbles with a toothpick before curing.
5. **CURE.** Expose the resin to a UV-LED lamp for 2–4 minutes, or to direct sunlight for 5–15 minutes, until fully cured. Rotate the mould if needed to ensure even curing on all sides. **CAUTION!** Do not move the piece back and forth under the UV lamp during exposure – this can cause whitening of the resin layer and reduce bonding strength.
6. **DEMOLD.** Allow the piece to cool before removing it from the mould.



IMPORTANT! PLEASE READ IT FIRST!

**KEEP THE RESIN AWAY FROM LIGHT
UNTIL YOU ARE READY TO CURE IT!**

Because this resin cures under UV light, any exposure to strong daylight or lamps during preparation and pouring can start hardening it early. Always work in a shaded, well-ventilated area and pour the resin before positioning it under the UV-LED lamp or in sunlight.

**FOR THICKER MOULDS, USE MORE UV LIGHT
NOT MORE TIME!**

For moulds thicker than 2–3 mm, use a curved or higher-power UV lamp to ensure the light reaches the resin from the sides as well as from above. A higher lamp power with a shorter exposure time gives a smoother, more even surface than a longer exposure at low power.

ENSURE SUFFICIENT UV EXPOSURE ON BOTH SIDES!

Recommended UV curing wavelength: 370 nm.

The resin layer must absorb enough UV energy to cure fully. As a guide: with a 6 W UV lamp, expose each side for about 2 minutes; with a 72 W lamp, about 1 minute per side is enough. Insufficient exposure will leave the surface soft and weaken the final bond.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING!

This product may cause mild irritation to the eyes and skin, and an allergic skin reaction in sensitive individuals. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention if discomfort persists. If it contacts skin, wash immediately with soap and water. If it contacts clothing, wash thoroughly before wearing again. Avoid breathing vapours or spray, and always work in a well-ventilated area. Keep out of reach of children and pets.



The instructions are given in good faith and based on our test results obtained but without warranty. The information might be different when the resin is used in different conditions, when other additives or colourants are added, or due to any user or external impacts. The application, use and processing of the products are beyond our control and Artline Epoxy Resin in respect of any sale of its products shall be determined by the terms of its conditions of sale.