



**RESIN GLORY**



**INSTRUCTIONS**

**UV RESIN**

**MEDIUM VISCOSITY**

## TECHNICAL INFORMATION

### UV RESIN

#### APPLICATION:

Resin Glory UV Resin is a one-component UV glue, also known as shadowless glue, which is quickly cured under UV light.

This glue can be used for little projects such as jewellery making, bezel setting, small castings, doming, sealing, bonding and much more.

#### PROPERTIES:

Before curing	After curing
❖ Viscosity: 3900mpa·s	❖ Hardiness: 82D
❖ Low odour	❖ Tensile strength: $\geq 20$ mpa
❖ Fast curing	❖ Heat resistant: 100C

## INSTRUCTIONS

### 1. SETUP

- To start with, make sure that your workplace is clean, free from dust and level.
- Cover your work surface, to avoid leaks or drips of the resin, as it can be difficult to remove after it hardens. Have all moulds and required items for your project next to you.
- Make sure that your working area is well ventilated and temperature around 21C, wear respirator if ventilation is poor. ALWAYS wear gloves to avoid mess, and skin irritation. For best protection wear an apron with sleeves to protect your clothes or have clothes dedicated for resin work, which you would not be afraid to ruin. To avoid contact with eyes, wear protective eyewear.
- Please check the lighting of your workplace, if the room is exposed to sunlight or ultraviolet light your project might start to cure before bonding.

TIP. Check that you have working UV light.

- Before you start to pour, make sure that your resin is warm around 22C, as with cold resin you will get much more bubbles. You can warm it in a warm bowl of water, but NOT HOT, for a few minutes. Make sure that bottle is sealed and water cleaned after warming. UV resin does not tolerate water or high heat.

## 2. POUR & SPREAD

- Before starting your main project, please do a test patch to master the skills and techniques to avoid errors.
- The bonding surface must be kept clean, dry, free of water, dirt, oil stains, rust, etc
- You can pour UV resin straight out of the bottle by using additional nozzle or if you want to add some UV resin colours/glitters, you can pour it in the little cup and then add pigment in.  
**IMPORTANT:** Stir slowly and gently.

TIP. To avoid bubbles, allow the bottle to rest upside down for a few minutes before opening.

- Please note, when adding pigments curing time will prolong due to reduced transparency. Popular pigments: Resin Glory Mica Powder, nearly all translucent epoxy resin pigments, most of the epoxy resin pigments are suitable for UV resin, if not sure just test it. As well, when adding pigments use them sparingly, as it's need very little, if you add too much your piece might not cure and do not use water-based pigments.

**IMPORTANT.** Always keep bottle away from the UV light.

- Pour and spread as you see fit. Resin Glory UV Resin is self-levelling, just make sure that your working surface level and you cover all project with resin.
- With little projects, in one go you can pour up to 4mm deep. If you need deeper than that, please do it in a few pours to get the best result and to avoid overheating. Pouring resin in layers is highly recommended.
- Once poured it is recommended to let it sit for a few minutes until bubbles come to surface and you can pop them with a torch/lighter or use a toothpick to bring them to the surface, then pop them using a heat gun or lighter, just sweep in a slow motion across the top. Do NOT use too much torch/lighter as it can burn your mould and it will be difficult to remove your piece. Just be gentle and sensible with heat.

## 3. UV LIGHT CURING

- Place your project under UV light and set the time. Please note that curing time depends on the UV light strength and pigment you are using. After curing your project will feel hot, let it cool down before demoulding/touching.

Approx curing time for clear resin:

UV-LED(6W-9W):60~90S per side

UV-LED(36W):45~60S per side

UV-LED(48W):35~45S per side

UV-LED(72W):20S~35S per side

**IMPORTANT.** If possible, please cure your piece on both sides, to assure even curing and smooth removing out of the mould.

TIP. If you use colours, the surface of your piece might not be that shiny, no problem, in this case apply a clear layer of UV resin, make sure that it covers all the top, add extra drops to have a 3D glass look.

## 4. CLEANING

After all is done, it's time to clean tools. Everything can be cleaned with alcohol wipes/spray. If you use reusable tools, they can be cured and resin leftovers removed and placed to general waste. **DO NOT** clean in the sink, as it can block your drains. Please note that cured resin can be really difficult to remove from some surfaces, so clean any spillage while in the liquid form, use rubbing alcohol, mineral spirit or other mild solvents to clean up.

## 5. STORAGE

- Keep Container tightly closed in a dry and well-ventilated place at the temperature below 25C. Avoid direct sunlight or ultraviolet light.
- The storage period of UV resin is generally 12 months unopened and 6 months once open. If the performance is good after this time, it can still be used.
- If you poured too much resin, do not pour it back in bottle.
- Keep away from fire and heat

## 6. SAFETY

**Please follow all guidelines set out above** in regards to Personal Protection as it can cause allergies or skin irritations if not used as directed.

**Avoid skin, eye contact, inhalation or ingestion.**

1. In case of skin contact: remove contaminated clothing and wash the affected area with soap and water for 15 min.
2. In case of eye contact: remove contact lenses if necessary and flush with water repeatedly for 15 min and do not rub. Promptly seek medical attention.
3. In case of ingestion: promptly seek medical attention.

**Keep out of reach of children and pets.**

**Since conditions of the use of this product are outside of our control, we cannot assume liability for results obtained or damage incurred due to misuse.**

Visit our website for more information <https://www.resin-glory.com> or if you need any help, please contact us at [info@resin-glory.com](mailto:info@resin-glory.com)