



CRAFT RESIN

**HOW TO USE  
CRAFT RESIN  
DEEP POUR**

## CRAFT RESIN DEEP POUR

### 1. Prepare

Workspace. We recommend covering your work surface to protect it from potential spillages.

Craft Resin™ Kit. Ideal working temperature is between 21-24C or 70-75F. Resin colder than this is thick, clumpy, hard to work with.

PPE. Prepare gloves to protect the skin on your hands, respirator if ventilation is poor and apron/ Old Clothes.

Tools. Prepare tools for your project, stir stick, spreader, plastic measuring cup, torch, dust cover, alcohol and paper towel, hand cleaner. We recommend plastic tools when working with resin for good reason: epoxy resin doesn't adhere to plastic which makes a cleaning process much easier.

### 2. Measure

Measure resin and hardener 2:1 by volume, wrong ratio may alter the chemical reaction and mixture will not cure properly.

Tips:

Mix resin and hardener at room temperature to reduce bubbles. Warm up bottles of resin hardener prior use in warm water (not hot) for 5-10 minutes.

### 3. Mix

Stir resin and hardener together for 3-5 minutes. Not stirring properly will result in a sticky resin that will never cure.

Scrape the bottom and sides of your mixing vessel as you stir to ensure the entire mixture catalyzes and that there is no remaining unmixed resin or hardener stuck to the sides that may prevent a proper cure.

### 4. Pour

Avoid scraping the sides in case there is any unmixed resin or hardener stuck to the sides - if this gets mixed into your catalyzed resin, you may end up with soft sticky spots in your cured resin.

### 5. Wait

Cover your artwork to protect it from dust and let it set and cure. Keep the temperature consistent over this time in accordance with the temperatures above. In about 48 hours your project should be hard to the touch. After 72 hours it will be fully cured. After 21 days it will be heat and scratch resistant. If your work doesn't harden/cure then please check over the steps above.

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### FAQs

#### What makes Craft Resin™ safe to use?

Craft Resin™ formula comprises of the highest quality materials and therefore produces no VOCs or fumes and operates in a clean environment meaning. There are no solvents or non-reactive diluents, everything in it reacts so nothing is free to become airborne and cause health issues. Craft Resin™ products are non-toxic and safe for using at home, classified as a nonhazardous material and shippable by air.

#### What safety precautions should I take when using Craft Resin™?

Safety precautions that every user should follow:

- Wear protective gloves.
- Avoid breathing dust / fume / gas / mist / vapours / spray.
- Use in a well-ventilated space, wear a respirator as an extra precaution.
- If on skin: wash with plenty of water. If skin irritation or rash occurs, get medical advice.
- If medical advice is needed, have product container or label at hand.
- Dispose of contents / container in accordance with local / regional / national / international regulations.
- Keep out of reach of children.
- Read label before use. More user guidance is available at <https://www.craft-resin.com>

#### Does yellowing occur?

Craft Resin™ non-yellowing technology is based on usage of museum quality conservation grade materials to ensure its water-clear clarity is preserved for decades. Many resins contain a UV stabilizer to help delay the epoxy natural yellowing process, however, this alone is not enough to prevent yellowing from happening. Craft Resin™ contains both a UV stabilizer as well as an advanced additive hindered amine light stabilizer that interrupts the yellowing process before it can begin. The result is that it stays clear both in the bottle and once cured.

#### Is Craft Resin™ food safe?

Yes, once Craft Resin™ is cured, it is fully inert and can be safely used as a food contact surface. Craft Resin™ has been tested for leaching and migration across worldwide standards and passed all safety tests: when used as directed, cured Craft Resin™ will not leach any substances into food that encounters it. Check Craft Resin™ SDS report for further details at <https://www.craftresin.com/pages/safety-data-sheet>

## CRAFT RESIN DEEP POUR

### How to color resin?

You can use a variety of materials to color epoxy resin however, each material has advantages and disadvantages you need to be aware of.

Here are some colorants commonly used with epoxy resin and what you should know about each one:

#### 1. Alcohol ink

Alcohol ink is a very popular resin colorant that offers saturation. Alcohol is of course flammable, so while Craft Resin™ is non-flammable in its liquid state, this is not the case once alcohol ink is added to the mix. For that reason, a torch should not be used on resin that contains alcohol ink.

#### 2. Mica powder

Mica powder and powdered pigments are really popular additions to resin. You need to mix mica powder in thoroughly or the powder may not dissolve and you could end up with a grainy look to your resin.

The metallics in Mica powder provide a rich, luxurious pearlescent effect. Best practice is pouring the metallics last, on top of a cured layer of resin.

Mica powder by Craft Resin™ is specifically crafted as a resin colorant and mixes in seamlessly.

#### 3. Acrylic

Acrylic paint is one of the most common colorants, readily available, and it comes in a huge variety of color options.

Acrylic paint can be used with Craft Resin™, but because acrylic is water based using too much can prevent the resin from curing properly. Acrylic paint has a matt finish and it takes away the glossiness of the resin. Choose a highly pigmented acrylic paint so you only need to use a small amount.

### How much color should I add to epoxy resin?

No matter which colorant you choose, do not exceed 6% of the colorant to the total volume of Craft Resin™ mixture as this will affect the delicate balance needed for the chemical reaction to cure properly. You would not add more than 6 % of the colorant anyway since you generally don't need very much colorant to saturate the entire transparent mixture.

### What is Craft Resin™ heat resistance?

The maximum temperature that cured Craft Resin™ can tolerate after 21 days is 180F or 80C. Typically, the heat generated from a hot mug will not damage the resin surface.

### What could be happening if my project doesn't cure?

In order to Craft Resin™ projects harden (cure) you need to ensure that components are measured correctly, resin and hardener are fully mixed together, the workspace temperature isn't too cold. If your project hasn't cured after 72 hours, then check you have followed all the above steps.

## CRAFT RESIN DEEP POUR

### How to create bubble free projects?

Warm up resin before use, place the bottles in a sink with warm water for about 10-15 minutes. Make sure the lids are kept on the bottles fully secured, any moisture that gets into your resin will affect your project.

Bubbles may still appear in your work during curing. Monitor this over the first few hours and use a torch in sweeping motions to disperse them.

Make sure you mix your resin and hardener in a slow and controlled way to avoid bubbles being created. When pouring your resin mix pour slowly, pour it close to the mold/substrate.

Projects with natural objects in them like flowers or wood are more likely to create bubbles, so monitor these more closely, seal them first.

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### What is the working time of Craft Resin™?

When you mix resin and hardener together you have a working time about 100 minutes. This also depends on volume of mixed resin and hardener and temperature of workspace. For the best results make sure your workspace is set up so that once the resin and hardener are mixed you can start working straight away.

### How much resin mix do I need?

To work out how much resin mix and therefore what Craft Resin™ kit you will need for your project, please visit our website:

- <https://ww.craft-resin.com/pages/epoxy-resin-calculator>

### What is the recommended depth of pour?

Craft Resin™ Deep Pour can be poured in thick layers of up to 2 inches and up to 15kg each. It is designed for large size wood table casting, lamp potting, deep mold, etc.

### Where can I find more help and resources?

We have lots of guidance to help you get the most from using our products. Please visit the below links for access to this information:

- <https://www.craft-resin.com/>
- <https://www.youtube.com/c/craftresin>
- <https://courses.craftresin.com/>

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