



HOW TO USE

**ARTRESIN™**





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USA

[www.artresin.com](http://www.artresin.com)

A hand is shown pouring a clear, viscous liquid from a bottle labeled 'ARTRESIN' into a clear plastic measuring cup. The liquid is captured mid-pour, creating a continuous stream. The measuring cup has volume markings in cups and ounces. The background is plain white.

# TABLE OF CONTENTS

**1** Hi from Dave + Rebecca  
Page 4

**2** Trust Your Art to Science  
Page 6

**3** You Will Need  
Page 10

**4** 7 Steps: How to Use ArtResin  
Page 14

**5** FAQ  
Page 18



1

Hi from Dave + Rebecca







# Hello!

Dave and Rebecca Zak, ArtResin co-founders

We fell in love with resin (and each other!) in 2007 when YouTube was in its infancy, social media was new... and resin, we discovered, was due for a change.

We loved how our paintings looked under a gorgeous coat of glossy epoxy... but the only products on the market at that time made us ill from the toxic fumes, and heartbroken when it discolored our art in a matter of months.

After years of trying to learn how to fix these problems, eventually we met a brilliant chemist based in Texas who agreed to do some creating of his own. We worked in tandem on the research and development until we had a beautiful clean, clear formula that we could be proud of. **Because we're artists, we understand what creative people want: safe and easy applications for long-lasting, crystal clear professional results.**

ArtResin is unlike anything else: it has no fumes or VOCs, no BPA, and has been demonstrated to have the best non-yellowing protection on the market. We're so happy to share it with you :)

*dave + Rebecca*

davezak.com  
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2

## Trust Your Art to Science











# Science!

Epoxy resins are not created equal. In fact, most will turn yellow in a short amount of time due to the effects of UV light. ArtResin contains a proprietary blend of UV and hindered amine light stabilizers to ensure it stays clear and enhances artwork for the long term. It's unlike anything else.

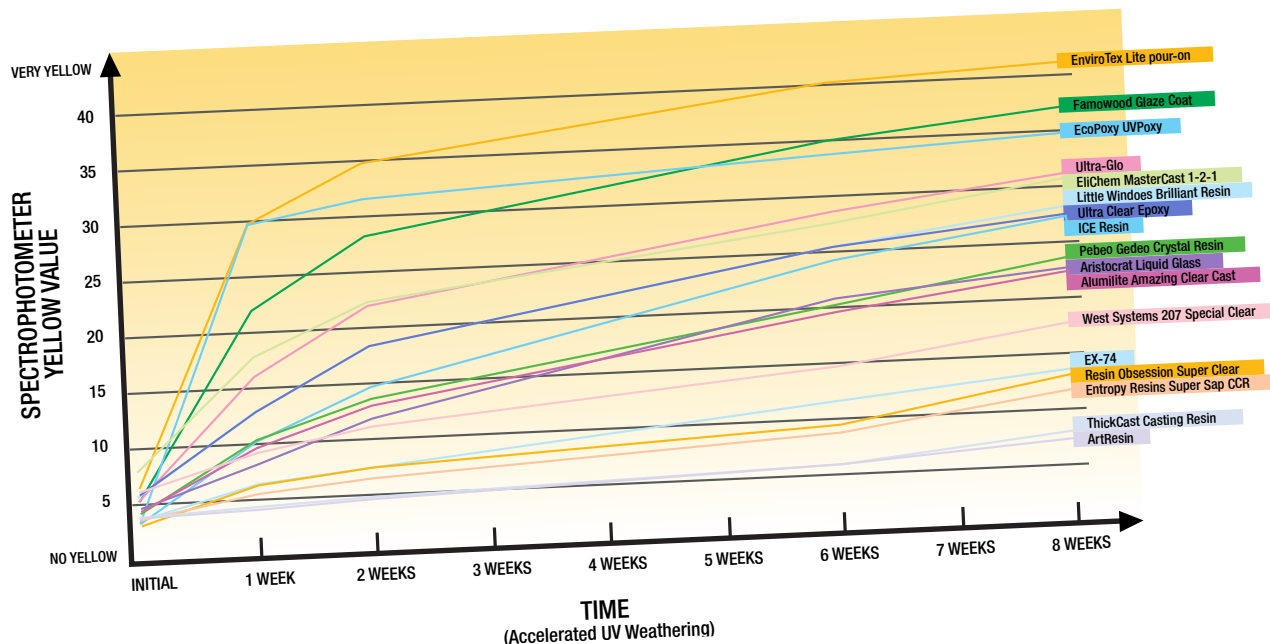
To make this possible, we source only the purest raw materials. And unlike most manufacturers, we add no filler, diluents or solvents... just clean, clear goodness.

The third party test data below demonstrates how various brands of epoxy resins behave (i.e. yellow) in accelerated weathering conditions (i.e. outdoor UV light exposure).\* As you can see, ArtResin measures the least amount of yellowing, due to our advanced light stabilization technology. So when it comes to keeping your art beautiful for the longterm, trust your art to science and choose ArtResin.

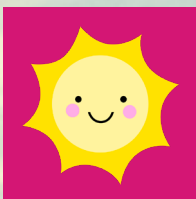


\* All testing performed in accordance with ASTM and ACMI governing standards by Atlas Material Testing Solutions and DSET Laboratories.

## 8 Weeks Accelerated UV Weathering Test



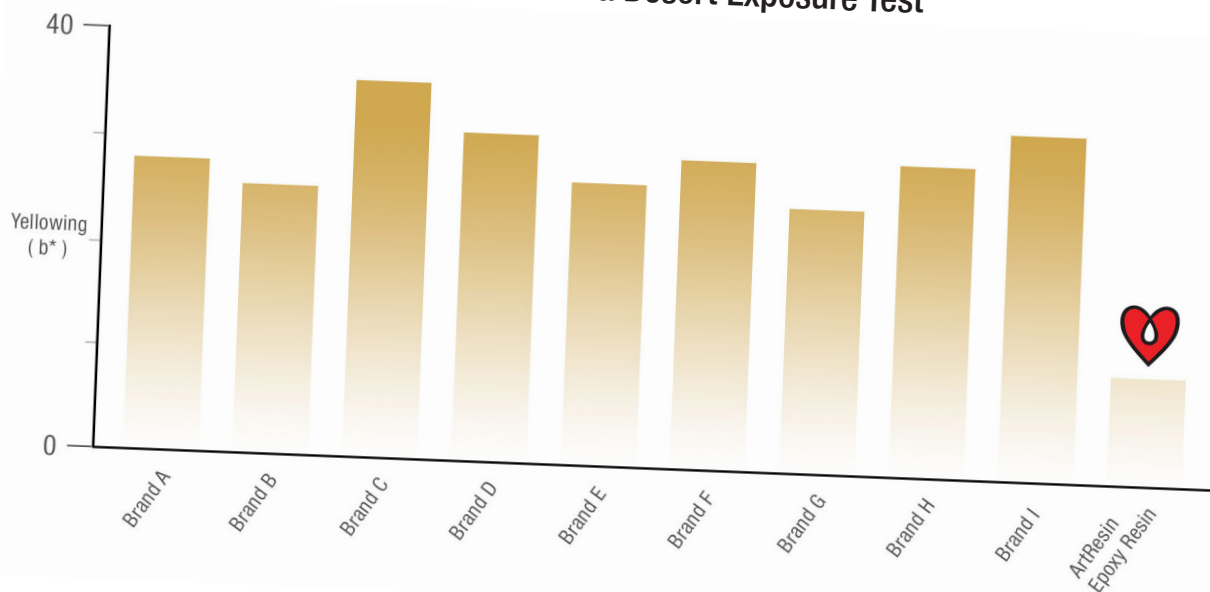




## What happens when you leave cured epoxy resin exposed in the Arizona desert for 1 year?

See graph below.

One Year Arizona Desert Exposure Test

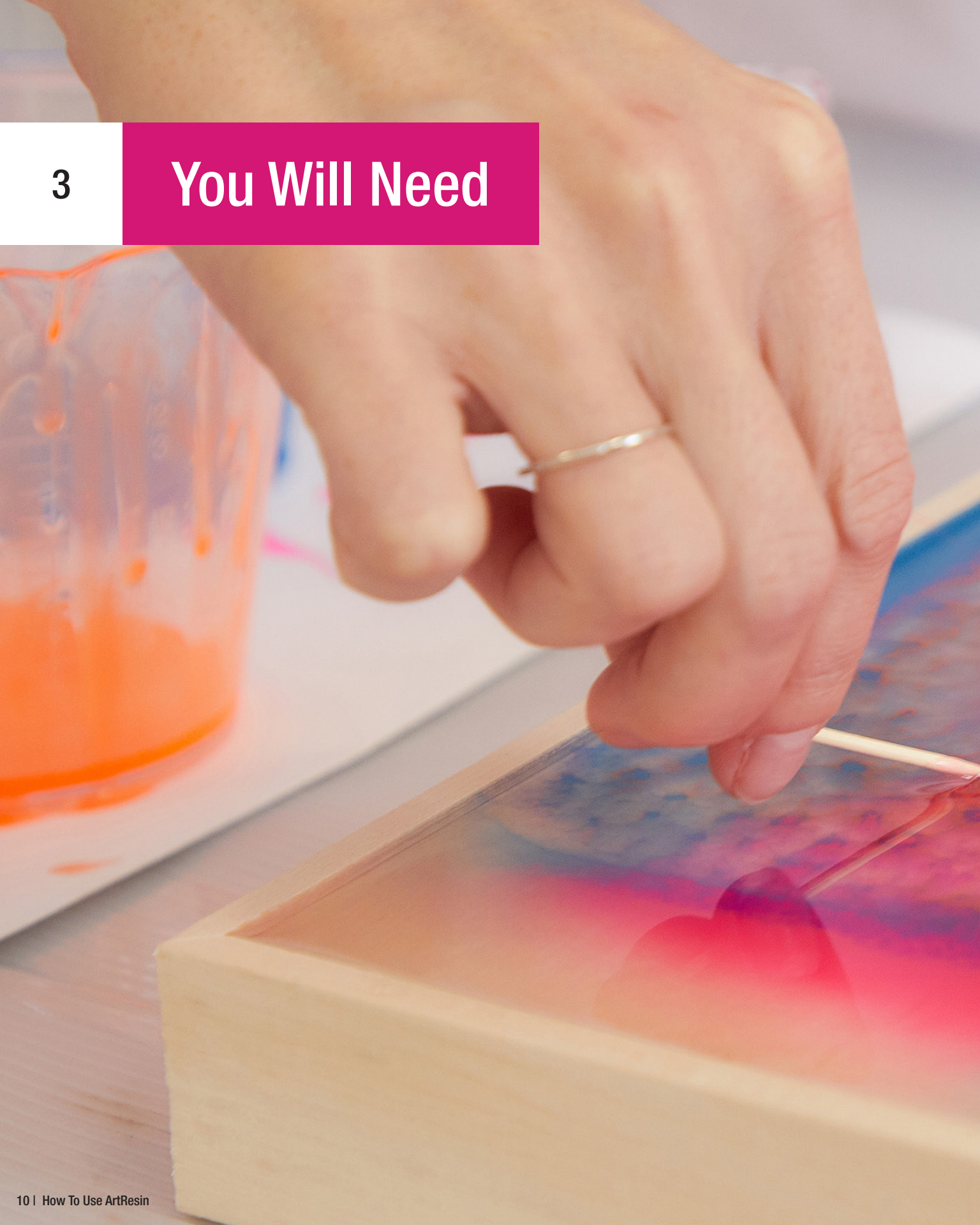


For more details, search our blogs at [www.artresin.com/blogs](http://www.artresin.com/blogs)

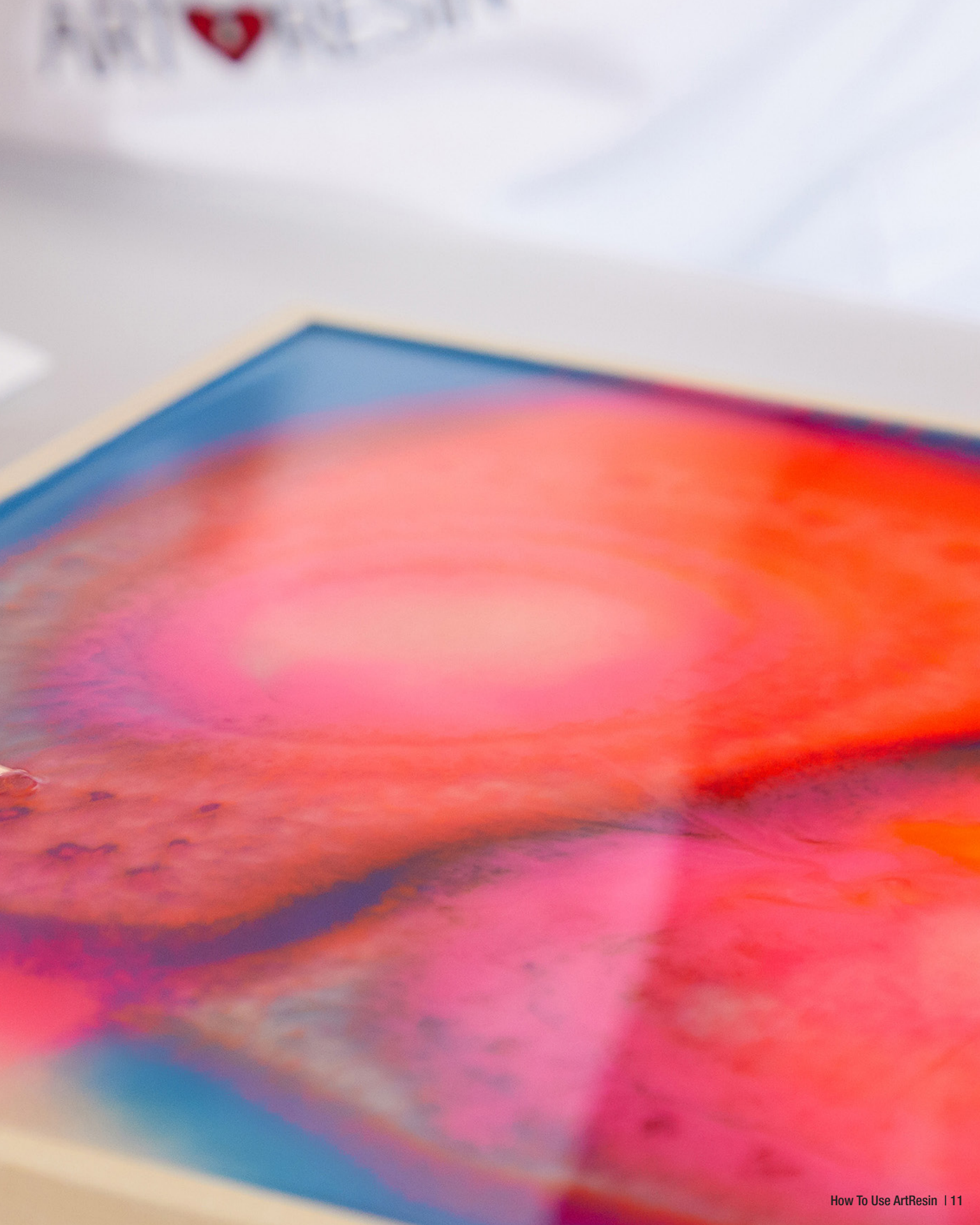
\* b\* is the measured value of yellow (captured by an X-Rite SP64 spectrophotometer using the CIE color scale) on a scale of 100.

3

## You Will Need











1

### A cover

To protect your piece from dust while it cures.

2

### Spreader

Can be wiped down with paper towel and reused.

3

### Plastic drop cloth

To protect your work table.

4

### Mixing cups + containers

Can be wiped down with paper towel and reused.

5

### Artist's Torch

To run a flame over your resin surface for a bubble-free, flawless finish.

6

### Art Tape

To tape off the underside of your piece to collect drips.

7

### Disposable gloves

To protect your skin.

8

### Stir stick

Can be wiped down with paper towel and reused.

9

### ArtResin

Obviously :)

10

### Resin stands

To prop up your piece so it doesn't get stuck to the table.

11

### A level

ArtResin is self-leveling so you will want to make sure your work is also level before you pour. [www.artresin.com/level](http://www.artresin.com/level)

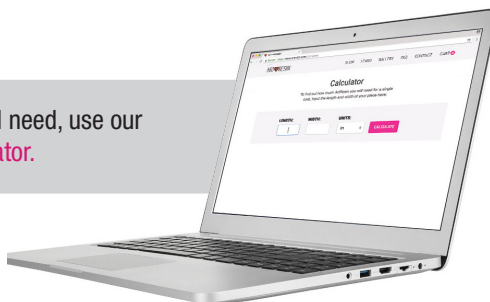




## Here are a few tips to make sure your project turns out perfectly!

- Artwork should be clean and dry.
- Gather your tools before you start.
- Work in a dust free environment.
- Prep artwork: seal art or reinforce a stretched canvas as needed.
- ArtResin should be at room temperature (72-77°F or 23-25°C) and should not fluctuate for first 24 hours while curing.
- Work in a well ventilated area. You do not need to wear a respirator with ArtResin. Find our SDS at [ArtResin.com/sds](http://ArtResin.com/sds).

To determine how much ArtResin you'll need, use our calculator at [www.artresin.com/calculator](http://www.artresin.com/calculator).





4

## 7 Steps







ART RESIN



# How to Use ArtResin



## 1 Prep

Prop your piece up on stands and make sure it's level. To use our mobile level, visit [ArtResin.com/level](https://www.artresin.com/level).



## 2 Measure

To determine how much you'll need, use our resin coverage calculator at [ArtResin.com/calculator](https://www.artresin.com/calculator). With gloves on, pour precisely equal amounts (by volume) of room temperature resin and hardener into a mixing container.



## 3 Mix

Stir thoroughly for at least 3 full minutes, scraping the sides and bottom as you stir to ensure that the entire mixture will properly catalyze and therefore cure as expected. You'll have about 45 minutes of working time.



## 4 Pour + Spread

Pour and spread as you see fit. ArtResin is self-leveling. You can coat the sides with gloved hands or a disposable brush, or just let it dome neatly on top.



*Use a foam brush to apply resin to 3D surfaces.*





## 5 Finish

Bubbles will begin to rise to the surface. We recommend using our Artist's Torch to pop bubbles for a flawless finish. Pick out any hairs or dust particles with a toothpick.



*Work in good lighting so you can easily see and remove any tiny hairs or dust from your resin.*



## 6 Wait

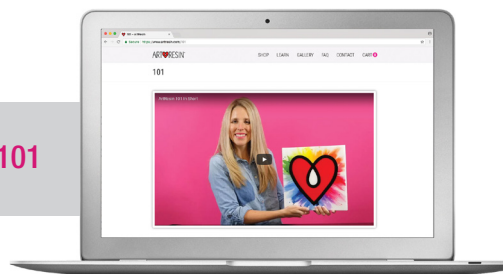
Cover your piece to protect it from dust and let it sit overnight. In about 24 hours, your piece will be hard to the touch. After 72 hours it will be fully cured.



## 7 Clean Up

To reuse your mixing tools, wipe them down with paper towel before the resin dries. If necessary, clean skin with soap and water.

Watch our detailed videos at [ArtResin.com/101](https://www.artresin.com/101)











# Top Questions

## 1 What makes ArtResin safe to use?

ArtResin has been certified by the American Society for Testing and Materials as non-toxic when used as directed (conforms to ASTM D4236). Formulated using the highest quality materials and no solvents or fillers, ArtResin is/has:



- Non-flammable



- BPA free



- No fumes



- No VOCs

ArtResin is a clean system and contains no non-reactive diluents, meaning that all components of the resin react completely with all the components of the hardener, leaving no VOCs, fumes or anything else that could become airborne and cause health issues. For all these reasons, ArtResin is classified as a non-hazardous material, is safe for use at home, requires no respirator and is safe for direct contact with food.

## 2 Is ArtResin UV stabilized against yellowing?

Epoxy resins in general are prone to yellowing and other degradative effects from UV light, so UV stabilization additives are used in manufacturing to help protect against gloss loss, cracking, chalking and de-lamination, and to some extent yellowing. A UV stabilizer on its own does not prevent but merely delays yellowing in resins. For this reason, ArtResin also includes a HALS (hindered amine light stabilizer) which interrupts the yellowing process, ensuring extremely effective long term non-yellowing protection.

## 3 Is ArtResin food safe?

Yes! Once ArtResin is cured, it becomes food safe as per FDA 21CFR175.300 (safe for direct food contact). You can check out our SDS for further details.

Here is the exact FDA link: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm?fr=175.300>

## 4 What is the shelf life of ArtResin?

Recommended use is within 6 months once opened, or 1 year unopened.

## 5 What kind of coverage can I expect?

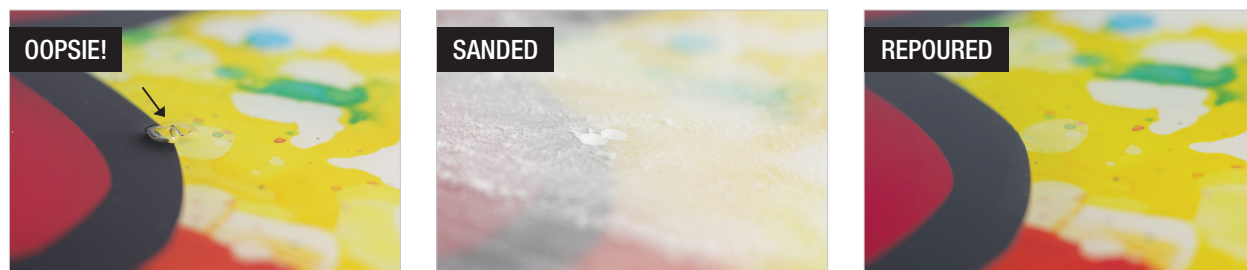
On a flat surface, ArtResin will naturally self-level to a thickness of  $\frac{1}{8}$ ". For your specific needs, see our Resin Calculator at [artresin.com/calculator](https://artresin.com/calculator). Both the Resin Calculator and the recommendations below are all based on a  $\frac{1}{8}$ " layer:

8 oz / 236 ml	32 oz / 946 ml	1 gal / 3.78 L	2 gal / 7.57 L
			
Covers about 2 sq ft / 0.18 m <sup>2</sup> (e.g. a 1' x 2' piece)	Covers about 8 sq ft / 0.74 m <sup>2</sup> (e.g. a 4' x 2' piece)	Covers about 32 sq ft / 2.97 m <sup>2</sup> (e.g. a 4' x 8' piece)	Covers about 64 sq ft / 5.94 m <sup>2</sup> (e.g. a 8' x 8' piece)

If you want your resin to look thicker, multiple  $\frac{1}{8}$ " coats can be applied.

## 6 Can I do a second coat or multiple coats?

Yes! You may need to do a second coat to repair a small imperfection such as a bubble, hair, or dust in your cured resin. In this case, sand out the imperfection first, and then give the entire piece an overall sanding to provide tooth so that the fresh layer will properly adhere. Sanding will cause the first layer to look scuffed but don't worry; when you pour the second coat on, the scuff marks will become invisible as you can see in the example below.



After sanding, wipe off dust from your piece and apply your carefully measured and mixed resin exactly the same way as you did for the first layer.



You can pour multiple layers if you need to cover areas of high relief, if you're pouring into a mold or if you simply like the look of a thicker coat. It's important to pour in  $\frac{1}{8}$ " to  $\frac{1}{4}$ " increments - if you pour any thicker, the bubbles will not be able to escape to the surface and you may end up with bubbles in your cured resin.

You have two choices when pouring multiple layers:



#### OPTION 1

Pour your first layer, torch out bubbles, cover and wait 3-5 hours until it reaches a jelly-like stage. At this point, you can pour on your next  $\frac{1}{8}$ " layer, torch out bubbles, cover, wait 3-5 hrs and repeat until you reach the height you desire. This method is especially handy when pouring into a mold.



#### OPTION 2

Allow your first layer to fully dry, give the piece a light, overall sanding and then pour on your next  $\frac{1}{8}$ " layer. Torch out bubbles, cover and let the layer dry. Repeat these steps as many times as you'd like.

Keep in mind that the 72 hr cure time is based on a  $\frac{1}{8}$ " layer. The thicker your layers are, the longer the cure time will be.

For even more resin tips, techniques and tutorials, visit our blog at [www.artresin.com/blog](http://www.artresin.com/blog).

## 7 What is the working time/cure time of ArtResin?

You will have approximately 45 minutes to work with the catalyzed mixture before it becomes too firm to spread. This time is decreased in warmer environments, or if the bottles of resin and hardener were first warmed in a water bath. It will take approximately 24 hours for your piece to cure. Again, this time may be decreased in warmer environments. For wearable or functional art pieces such as jewelry and table tops, it is advisable to let the product cure out an extra 3-6 days until it reaches its full hardness.

## 8 Why use an Artist's Torch with ArtResin?

Torches work extremely well to eliminate bubbles because they produce a flame which can easily be controlled and directed at an area of bubbles. When the resin is heated, it thins out, enabling it to de-gas more easily. Heat guns are not recommended as they are not hot enough and push too much air across your wet resin.

An added benefit of a flame is that it will burn off tiny dust particles that may have landed in the resin. So whether you feel more comfortable with our hand-held model for small pieces or a bigger propane torch like our **Artist's Propane Torch Head** (a MUST for large pieces!) a flame is your best bet to really zap out bubbles and get a flawless, crystal clear finish. Of course, always exercise common sense and precaution when using any torch or heat gun.



## 9 Can ArtResin be tinted?

Yes, ArtResin can be tinted with ResinTint colorants. Simply drop the ResinTint into the mixture while stirring for an all over saturated color. All 24 ResinTint colorants are non-toxic and were made specifically for use with ArtResin: they blend seamlessly, preserve the glossiness of the resin, and won't cause a flammability risk when torched.



Acrylic paint and alcohol ink can also be mixed in, however acrylic paint can take away some of the glossiness of resin, producing a more opaque look, and often greatly decreases the working time. Alcohol ink can potentially pose a flammability risk when torched and because alcohol is a solvent, it can compromise the non-toxic status.

Whichever colorant you choose, be sure not to add more than 6% of the total volume of mixed resin and hardener. Adding more than 6% colorant may interfere with the delicate balance necessary for the epoxy resin's chemical reaction to take place, and could prevent your piece from curing properly.



## 10 What can/can't I use ArtResin on?

ArtResin will bond well to every medium, with the exception of materials that repel water such as:

✗ silicone      ✗ vinyl      ✗ plastic      ✗ wax paper, etc.

It works extremely well with:

✓ silicone molds	✓ wood	✓ art panels	✓ chalk/oil pastel	✓ ResinTint colorant
✓ acrylic paint	✓ watercolor	✓ inkjet prints	✓ encaustic	✓ oil paint that is completely dry
✓ paper collage	✓ puzzles	✓ canvas	✓ ink	✓ glossy photographs
✓ natural objects	✓ sculpture	✓ spray paint	✓ mosaic tiles	✓ found objects
✓ chalk/oil pastel	✓ paint marker	✓ Yupo		

You may want to avoid pouring it over loose materials as anything that is not completely adhered to the surface of your work could potentially mix into the resin in its liquid form once it's poured and float around. Some lower quality papers absorb resin rather than allowing it to sit on top, in which case a sealant should be used over the paper first to avoid saturation.

The best thing to do is experiment and have fun!





All artwork by Dave + Rebecca, unless otherwise stated.

[www.davezak.com](http://www.davezak.com)

[www.rebeccazak.com](http://www.rebeccazak.com)

# RESIN IS EVERYWHERE

And there's so much to love about it:  
that gorgeous, glossy shine, that modern sleek aesthetic — and... how easy it is to DIY!

In this guide, you'll learn from the founders of the resin movement, Dave and Rebecca Zak,  
who formulated their non-toxic\* ArtResin for everyday artists, like themselves.

Get ready to understand the **tools**, **techniques** and **technology** behind ArtResin,  
and **how to get a perfect pour in just 7 steps**.

