



ARTLINE CRYSTAL

Low Viscosity

Multipurpose Epoxy Resin

Ratio 2:1



- Transparent and solid. Perfectly imitating glass
- Absolutely safe and harmless after curing
- Low viscosity, allows bubbles to escape completely
- Curing time: dry to the touch – 16 hours, completely – 24 hours
- Maximum pour thickness per layer up to 15-20 mm (when pouring less than 100 gr at a time, the thickness of layer is unlimited).

APPLICATION:

- Casting of decorative objects, countertops
- Decorations, jewelry
- Wood stabilization (priming)
- Casting volumetric fillings (layer by layer)
- Creating lacquer effects (thin coating)

IMPORTANT!

The lifetime of the compound from the moment of mixing the components – up to 50-60 minutes. During this time all compound is liquid and changes can be made. After this time the compound will start to harden rapidly, and no changes can be made.

Pour layer by layer, number of layers are not important. Allow to wet out at least 12 hours between layers.

STORAGE:

Store the ingredients in a tightly closed container. Protect from cold, fire, moisture and direct sunlight. Store component «A» (resin) above 15°C (to prevent clouding and to prevent the sediment). Hardener «B» - at 15-25°C to delay oxidation (yellowing) as much as possible. Yellowing of the hardener is not a defect but a result of the oxidation process and does not affect its qualities and properties.



METHOD:

Always use gloves!

1. Pour 2 parts of component «A» and 1 part of component «B» into clean and dry container (For example, 100 g of resin and 50 g of hardener).
IMPORTANT! The above proportions are for weight (not volume!), use scales to measure. Densities of «A» and «B» components are different. Volume mix will have different proportions.
2. Pour the two components together and stir well, even in the corners of container, do not hurry up. Undermixed epoxy is the number one reason for sticky resin. Do not mix too fast to avoid bubbles. Add colour drop at a time until you obtain the desired shade. To obtain homogeneous mixture and balanced curing, pour the liquid from one container to another and stir one more time.
3. Pour the mixture onto a surface or into a silicone mold.
4. Air bubbles may appear on the surface. If in 10-30 minutes bubbles have not disappeared, use a torch or blow dryer. A film may also form on the surface during the curing process. Once the resin has hardened, a sticky film may form on the surface, it will disappear once the resin has hardened completely. For castings less than 5 mm thick (max. 200 g in 1 container) we recommend heating the resin in hot water (max. 60°C) before use or heating the already poured resin with a torch or blow dryer. Otherwise the resin can remain soft for 3 days or longer. **CAUTION!** Please do not use more than 5 kg at once. Avoid a large amount of epoxy resin overheating.
5. Leave to cure for 24 hours at 23°C, protected from dust. Ideal humidity is below 50%. In order to ensure a strong bond, it is very important to keep certain humidity. To prevent bubbles on porous surfaces such as wood, concrete formation it is necessary to use thin layer of primer. After a priming process you can complete the pouring. Without a primer bubbles will stay and the ruining the product aesthetic.



IMPORTANT! PLEASE READ IT FIRST!

THE SEDIMENT AT THE BOTTOM OF THE BOTTLE OF COMPONENT "A" IS NOT A DEFECT!

If epoxy resin is stored or transported for a long time, it can acquire a cloudy shade (especially in cold weather) and you can see white flakes in the sediment at the bottom of the bottle. Do not worry, it is not a defect, this is crystallization process and determines the purity of a component. Before you start to work with epoxy resin it is necessary to bring the epoxy resin to a homogeneous and transparent consistency.

To turn the cloudy resin to its original transparency, you need to put a bottle in a container with hot water (the water temperature should be 50-60° C) for 20-40 minutes until the turbidity disappears completely. You can stir the epoxy resin occasionally. **CAUTION!** Do not work with overheated epoxy resin. Allow component "A" to cool enough before it can be mixed with hardener.

INCOMPLETE BOTTLES/CANISTERS ARE NOT UNDERFILLING!

Some epoxy resin bottles are not fully filled. This doesn't mean you have been cheated or the bottles were underfilled. If you weigh all components, you will get the total weight which is stated on the website. Epoxy resin is sold by weight, not by volume. **FOR EXAMPLE**, 900 g of Artline Crystal consists of component "A" (600 g) and component "B" (300 g).

WEIGH COMPONENTS "A" AND "B" STRICTLY BY WEIGHT.

Proportions given in the instructions for each resin are mixed by weight, not by volume (because components A and B have different densities). The most common mistake is to mix by eye or use measuring cup. Use a scale.

MIX ALL THE COMPONENTS VERY THOROUGHLY. STIR ALL COMPONENTS FOR 5 MINUTES!



Then pour the liquid from one container to another and stir for another 5 minutes. The top layer of epoxy sitting on the surface of the container needs to be blended into the rest of the mixture. If not mixed sufficiently, the resin may not harden.

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 pigments 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.