

Resin Information

In this document you will find information about the safety rules with the materials such as resins and information about the post-processing process after 3D Printing. Please read the document to find out how to avoid problems and failures with your prints. If you have any more questions, please contact us directly.

SAFETY RULES

1) Keep the resin in the correct temperature 25-30°C

It is important to store the resin at room temperature. The temperature should not be lower or higher than the suggested amount. Any changes might have an impact on the printing process.

2) Store the material in cool and dry place

Keep the resin in the dark, dry place and avoid the sunlight.

3) Before using shake the bottle well

Before printing, shake the bottle well with the resin that you are going to use. It is important because the pigment of the resin can be on the bottom of the bottle. To obtain an even color, mix the resin well in the bottle. If you do not shake the resin, your prints can have uneven color or can be not correctly cured.

4) Filter the resin well after using

The resin should be filtered every time after printing process. The resin should not stay in the resin vat. Store the liquid resin in a sealed container.

5) Keep the resin away from children and animals

Do not allow animals and children to be in contact with the resin.

6) Wear protective equipment during working with the resin

Always wear protective clothes, gloves, and glasses when handling the resin. The material can cause skin irritation.

7) Wash your hands if you had direct contact with the resin

If you had direct contact with the resin, wash your hands with soap and water. If you receive skin issues (allergy) please contact your doctor.

8) Do not use during pregnancy

If you are expecting a baby, it is not advisable to use the resin.

9) Do not drink the resin

The product is not suitable for drinking. If you drink the resin contact your doctor.

10) Do not dump the resin

Before throwing the resin away, cure it and store it in a container for plastic. Do not dump the liquid resin to the toilet or sink.

POST-PROCESSING

1) Wash the printed model

Depending on the resin that you are using you can spray and wash your 3D printed models with Isopropanol (IPA alcohol) or a different resin cleaner. Do not leave the prints too long in the IPA alcohol.

2) Rinse prints under the water

After cleaning with the resin cleaner, rinse your 3D models under the water to remove any alcohol from the surface. Residuary alcohol may cause white spots on the models.

3) Dry the model

Before curing the models, they need to be dry, otherwise the models will have an uneven surface with more shiny places because of not enough time of drying. Usually prints should dry around 30-60 minutes but this depends on the shape of models. If you want to make process faster then you can use a compressed air gun.

4) Cure the printed model

Depending on the resin and the size of the part, there are different requirements for the post-curing process. The castable resin does not need additional curing. Other resins, to achieve the correct properties, should be cured in the Cure oven. The time of curing depends on the resin, how powerful the Cure machine you have and what kind of results you expect. Excessive curing times can cause warping and more brittle parts.

