Prototype – Model White

Light-curing resin based on (meth)acrylate, for the generative fabrication of 3D-Objects.

Important Notes

- Only to use by trained specialist personnel
- Always keep the container tightly sealed, immediately close the container after use

Processing

- Processing temperature 23°C +/- 2°C
- Please note the instructions on page 2

Safety Notes

- Be sure to use personal protective equipment (protective gloves and protective glasses) during processing
- Avoid direct contact with the liquid material and the components prior to post-curing
- Irritating to skin and eyes (sensitization is possible)
- After contact with eyes rinse thoroughly with water immediately and consult a doctor
- After contact with skin wash immediately with water and soap

Storage

- This material is used to be stored dry at 15°C – 28°C
- Protect from light, minimal influence of light can already induce polymerisation

Manufacturing process

Construction process

Generation of a Print Job complying with machine and material parameters

Post-processing

Post-processing should commence immediately following the construction process. After raising the platform, a drip time of approx. 10 minutes in recommended.

Pre-cleaning

Remove construction components from the platform and clean in a separate vessel with isopropyl alcohol (purity >98%) for 3 min. in an ultrasonic bath.

Cleaning

Then thoroughly clean the openings, cavities and gap areas, if necessary also with compressed air, and if applicable, remove the construction components carefully from the support structure.

Main cleaning process

This process is performed in a separate vessel with isopropyl alcohol for 3 min. in a ultrasonic bath. Prior to drying, check the openings and additional holes for residues

Drying

Heat the construction components for 30 min. to approx. 40°C to remove solvent residues.

Post-exposure

The recommended Post-curing is done with a xenon Otoflash G171 with 2x2000 flashes. Rotate components in between.