stomdevice

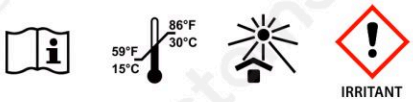
ASIGA®



Printer compatibility 385nm (UV) / 405nm



Instructions For Use – PlasCLEAR – Part Number: PN / 00930



Description, Indications & Effects:
Asiga PlasCLEAR is intended be used in combination with DLP based 3D printers (i.e. Asiga Max Series or Asiga Pro Series) that support Asiga resins. Asiga PlasCLEAR is optimised to build parts on 3D printers using light with either 385nm or 405nm wavelength. Printer and resin must be optimized with respect to each other in order to produce complete and precise printed parts. If the printer and resin are not optimized with respect to each other this may have an adverse effect on the accuracy and physical quality of printed parts. DLP based 3D printers and post-curing lightboxes make use of a light source to polymerize the Asiga resin. Therefore, operators are advised to wear UV protective glasses when operating a 3D printer and/or lightbox. Differences in colour nuance may occur due to: production in batches; inadequate shaking and mixing of the original packaging before use; inadequate stirring in the PlasCLEAR resin before use; insufficient post-curing.

Hazard & Precautions:
Please refer to Asiga product safety data sheet for PlasCLEAR. For material SDS or technical assistance, contact your Asiga resellers or open a support ticket in your account online https://www.asiga.com/accounts/support/

Preparation:
Ensure the 3D printer is clean prior to use, including the imaging area and any optical surfaces. Ensure the material tray is clear of solid debris prior to commencing a print. The presence of solid particles in the resin may cause deformation or failure of the printed objects. Nitrile gloves should be worn at all times when handling Asiga liquid resins up until the finishing step. Avoid contact with skin. If contact with skin occurs, wash thoroughly with cold soapy water. If contact with eyes occur, remove any contact lenses and flush with cold water and seek immediate medical assistance.

Mixing Before Use:
In Bottle: Agitate/shake bottle vigorously prior to pouring for at least one minute.
In Material Tray: Stir material with a soft spatula. Take care not to damage the film of the Material Tray.
This step is necessary to re-disperse the (possible) pigment sediment from the bottom of the vessel.
Colour deviation and print failures may occur if insufficiently mixed.

Fill Material Tray:
Pour the resin into the material tray of the 3D printer. Avoid exposing resin to direct sunlight.

Printer Settings:
Ensure you are using the latest material ini file. You can access the latest material ini file for this material in your Asiga account online https://www.asiga.com/accounts/#tab_material
See manual or user guides of Asiga 3D Printers (Asiga Max Series or Asiga Pro Series).

PLASCLEAR

Washing:
Wash parts in IPA 98% pure isopropyl alcohol in a well ventilated area. Best results are achieved when using a pre and post wash.

1. Using an ultrasonic cleaning device:
- Pre-wash bath: 5 minutes.
- Post-wash bath: 5 minutes.

Important: Ensure a dedicated bath is used for this material. Do not wash in baths that have previously been used for other materials.
Allow parts to dry thoroughly before post-curing.

Post-Curing:
1. For maximum strength, let the printed parts rest for at least 30 minutes prior to post curing to ensure they are free of alcohol residue.
2. Place the printed parts in UV curing unit "NK Optik Otoflash G171" for 2000 flashes.
3. Turn parts over and allow to cool.
4. Cure for a further 2000 flashes. Total: 4000 flashes (2 x 2000 flashes each side).

Post-curing is an UV-light treatment to ensure that PlasCLEAR printed parts obtain optimal polymer conversion. Through this the residual monomer is reduced to a minimum and the required mechanical properties are obtained. We advise use of the NK Optik Otoflash G171 post-curing box. Place parts inside the G171 Otoflash chamber on the support mesh, do not use a plastic tray inside the chamber. Inert gas is not required. Please see NK Optik Otoflash G171 user guide.

Manufactured by: ASIGA PTY LTD, UNIT 2, 19-21 BOURKE ROAD, ALEXANDRIA, NSW 2015, AUSTRALIA
AUSTRALIA HEAD OFFICE: +61 2 9690 2737 | EUROPE OFFICE: +49 3615506 6866 | US TOLL FREE: +1 877-689 99 98 | info@asiga.com | www.asiga.com
Instructions For Use: PlasCLEAR/Asiga/Effective Date: 28th October 2020

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

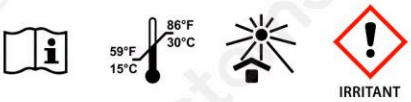
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Storage Conditions, Expiry Date & Transport:
Store the resin in the original packaging at room temperature in a dry, cool and dark area.
Close the packaging after each use.
The expiry date of the product is mentioned on the product label along with the lot number.
Store on printer for up to 4 weeks with hood closed or store in bottle for up to 24 months in a cool dark place.
The product performance is no longer guaranteed once the expiry date is exceeded. Do not expose to UV-light.
Standard transport conditions apply to this product. There are no restrictions for transport related to hazardous substances.

Waste Disposal:
Asiga resin in its polymerized form is not environmentally harmful thus can be disposed of in general waste. Asiga resin in its liquid state should be treated as chemical waste. Special disposal requirements are applicable, check with your local, federal, or other regulatory agencies for disposal requirements.

Delivery Units:
Asiga PlasCLEAR is available in 1 colour only: Clear, 1kg.

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