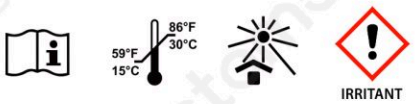
stomdevice

ASIGA®



Printer compatibility 385nm (UV) / 405nm





Instructions For Use – SuperWAX – Part Number: PN / 01625

Material may solidify at room temperature. This is not a fault with the material.
To return resin to liquid, follow the steps in the "Warming Resin" section.

Description, Indications & Effects:
Asiga SuperWAX 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 SuperWAX 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 SuperWAX resin before use.

Hazard & Precautions:
Please refer to Asiga product safety data sheet for SuperWAX. 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.

Melting Resin:
SuperWAX is solid at room temperature and must be liquefied prior to printing. This can be done any of the following ways:

- Warm the material bottle in a water bath:
  Place SuperWAX bottle in a bath of warm water below 60°C until the SuperWAX material melts.
  Ensure the lid on the bottle is secured tightly to prevent water ingress.
- Warm the material bottle in an oven:
  Loosen the lid of the bottle and place in a preheated oven at 60°C for 15-20 minutes or until SuperWAX is liquid.
- Warm Build Tray in Printer:
  Place Build Tray inside a preheated printer and wait until the material is melted.



Fill Material Tray:
Pour liquid resin into the material tray of the 3D printer. Place the material tray inside a preheated printer (see below) and close the chamber hood. Allow 10 minutes for the temperature of the SuperWAX to stabilize at the printer's temperature.

Printer Settings:
When using SuperWAX, the printer's heater should be turned on to keep the material liquid when the printer is idle:
On the Asiga printer's menu go to Settings > Temperature > Controller ON. Change the Set Point to 35°C.
See manual or user guides of Asiga 3D Printers (Asiga Max Series or Asiga Pro Series).

Printing:
Ensure the material is in a fully melted state. Ensure the film of the Material Tray is clear of any debris before starting the print.
Use the latest material ini file for the material. You can access the latest material ini file for this material in your Asiga account online here:
https://www.asiga.com/accounts/#tab_material

Washing:
Wash parts under lukewarm (i.e. body temperature, 37°C) running water until resin residue is removed. Do not use water above 40C or the SuperWAX parts will melt.
Allow parts to dry thoroughly after washing.
Do not wash in fluids that have previously been used for cleaning other materials.

Post-Curing:
SuperWAX does not require post-curing.

Manufactured by: ASIGA PTY LTD, UNIT 2, 19-21 BOURKE ROAD, ALEXANDRIA, NSW 2015, AUSTRALIA
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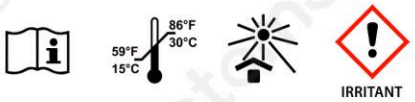
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Investment Casting:

1. Use a standard gypsum bonded investment.
2. Use a standard phosphate bonded investment.

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 SuperWAX is available in 1 colour only: Red, 1kg.

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