

Zirlux® Surgical Guides Print Resin is a light-curing resin for the fabrication of biocompatible dental surgical guides to be used in DLP 3D printers utilizing wavelengths between 385nm - 405nm.

Indications for Use: Zirlux® Surgical Guides Print Resin is indicated for intra-oral use in guided dental implant surgery by a dental professional.

Warnings & Precautions:

1. Follow all recommended validated settings for biocompatible print results.
2. Review the product Safety Data Sheet (SDS) prior to use.
3. As per SDS, wear proper personal protective equipment when handling Zirlux® resins and uncured printed parts.
4. When pouring the resin, be careful not to splash.
5. Store in a cool, dry place and away from light.

Contraindications: Contains acrylated monomers and oligomers which, although rare, may cause an allergic reaction in individuals sensitive to acrylic containing products.

Processing Tips:

1. Ensure that resin is tempered to ambient temperature (20-25°C/68-77°F) prior to printing.
2. In order to achieve consistency of the resin and to prevent bubbles, agitate the bottle 1 hour prior to use. If bubbles are present, remove with a clean instrument/spatula.
3. Only use Zirlux® product-specific predetermined settings for your DLP 3D printer. Zirlux® Surgical Guides Print Resin should be used with a 385nm - 405nm UV light source. Printers using alternative light sources require validation by manufacturer's technical team for optimal settings. Unless specified, always print using the settings provided at www.zirlux.com/printresins.
4. Resin coated parts should be cleaned with Isopropanol (at least 97%) within approximately 8 hours from the completion of the print. Do not allow the parts to sit in Isopropanol for longer than 5 minutes as the properties may begin to deteriorate.
5. Zirlux® discourages the use of denatured alcohol or ethanol for cleaning as it may diminish or degrade the quality of the finished parts.

Directions for cleaning and post-cure treatment of printed part(s):

1. Remove part from printer and build platform.
2. Remove support structures from the part if applicable (Optional: remove supports before or after post-cure).
3. Place in Stage 1 Isopropanol (IPA) bath. This bath is used for the first wash of any part coming from the printer.
4. Remove excess liquid resin from the printed part. This can be done by running fingers over the surface, swishing or vibrating with the part submerged in the IPA bath.
5. Transfer the part(s) into a Stage 2 IPA bath. In order to achieve optimal final print quality, use fresh IPA with lower concentration of contaminants. Using a soft scrub brush or tooth brush can help remove excess resin.
6. Use compressed air to dry part, looking for residual liquid resin, which will be visible as it remains glossy. If residual resin remains, repeat steps 5 & 6 as needed.
7. Place the part in a post processing cure box, being sure to place the part flat to prevent warping. Refer to www.zirlux.com/printresins to locate validated cure box settings. Resins are compatible in cure boxes with UV wavelengths of 250nm - 390nm.
8. Allow part to cool completely before removing from the cure box to prevent surface defects or warping.
9. Perform final processing (i.e. polishing).
10. Part is ready for sterilization.

Sterilization Tips: 3D printed surgical guides are custom made single-use medical devices that will be manufactured according to a written prescription or pattern. Zirlux® Surgical Guides Print Resin surgical guide at its final fabricated form is not sterile and should be sterilized by the use of a steam autoclave prior to the intended use. Please follow your local infection-control sterilization guidelines for autoclave parameters. For further information on steam sterilization please visit www.zirlux.com/printresins.



Surgical Guides Print Resin

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In case of Emergency:
Chemtec 1-800-424-9300

Distributed by
HENRY SCHEIN, INC.
135 DURYEA ROAD
MELVILLE, NY 11747 USA

Made in U.S.A. from Global Materials



Consult instructions for use
Consulte les instructions de uso
Voir les instructions d'utilisation



Keep away from sunlight
Protéger de la luz del sol
Protéger du rayonnement solaire



Keep dry
Almacenar en un lugar seco
Stocker dans un endroit sec



Caution
Precaución
Mise en garde

Ronly

MD

Min.
15°C
59°F

Max.
30°C
86°F

Disposal Considerations: Zirlux® Surgical Guides Print Resin is not considered an environmental hazard in its final, fully cured state. Dispose of unused and non-recyclable liquid resin materials in accordance with federal, state and local regulations.