

# ISOCOAT

MODEL 3D

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User Manual

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#### PRODUCT DESCRIPTION

ISOCOAT MODEL 3D is a film-forming insulator designed for insulating acrylic resins from 3D printed models. It is especially recommended for use in the production of orthodontic appliances or for isolating 3D printed models from silicone materials.

#### BEFORE USE

- This manual provides information on usage and safety precautions to ensure the safe and effective application of this product.
- Before the first use, allow the isolator to reach room temperature.
- During initial testing, check the compatibility of the isolator with your 3D resin by applying it to an older model.
- Always tightly close the bottle after applying the isolator; otherwise, it may lose its consistency and take longer to evaporate.
- Store the product at room temperature, away from heat sources and open flames.

#### MODEL PREPARATION

- Ensure that the printed model is properly cleaned and cured. The model should be dry and dust-free.
- If blocking undercuts with materials other than wax, perform a compatibility test with the isolator.

#### APPLICATION

- Apply a few drops of the insulator to the wax-blocked model and spread it evenly with a soft-bristle brush.
- The layer should be evenly distributed across the entire surface of the model; otherwise, the film-forming time will be longer.
- Gently blow off any excess insulator using compressed air.
- Remove excess insulator from wire components using a cotton swab moistened with water or monomer.
- Remember to isolate areas beyond the working field for greater comfort and easier removal of the model from the workpiece.
- The insulator is effective with just one layer, even for models printed at a 100 nm resolution. A second layer may be necessary for more complex models or acrylic works.
- After applying the insulator, wash the brush under running water. If you forget, soak the dried brush in water and wash it with detergent.

#### WORKING TIME

- The evaporation time is approximately 5 minutes at 23°C.
- You can speed up the drying process with a gentle stream of compressed air or by using a 3D model post-curing chamber.
- The model is ready for work when the surface is dry, shiny, and non-sticky.

## MODEL RELEASE

- After polymerization, gently lift the acrylic resin from the printed model using a plaster knife to separate it.
- Wash off any remaining isolator film using warm water. You can use detergent or a soft brush if necessary.

## STORAGE & DISPOSAL

- Store bottles of the isolator at 15-25°C. Pay attention to the expiration date printed on the label.
- Keep the product in tightly closed containers in a well-ventilated, dry place, away from sparks and open flames.
- The bottle is recyclable. Dispose of the contents/container in accordance with local regulations.

## HAZARDS IDENTIFICATION

- Due to its alcohol content, ISOCOAT MODEL 3D may cause irritation. Use appropriate personal protective equipment.
- Hazard and safety information can be found on the product label and in the Safety Data Sheet (SDS).

## LOT NUMBER / EXPIRY DATE

- The product's expiration date is visible on the packaging of each ISOCOAT bottle.
- When contacting technical support, always provide the product batch number.
- Do not use the product after the expiration date..

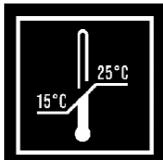
## LABEL SYMBOLS



See the information about the isolator on the website  
[www.syntegre.com](http://www.syntegre.com)



Store in a dark, dry place away from sun and heat sources.



Store the isolator at the right temperature.

## CONTACT INFORMATION

For product support, refer to the information available to you on the website: [www.syntegre.com](http://www.syntegre.com) or write to us at: [support@syntegre.com](mailto:support@syntegre.com)



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