VeriMODEL™ All Purpose & VeriMODEL™ Ortho 3D Print Resin Instruction for Use (IFU)

Product Description

Whip Mix VeriMODEL™ is a 3D print resin for producing dental working, orthodontics, and presentation models, it is compatible with DLP and LCD printers featuring 385nm and 405nm light sources.

Storage and Transportation

1. VeriMODEL™ must be stored in the original packaging at room temperature in a dry area.
2. Always keep the container tightly sealed and close the container immediately after each use.
3. Do not expose VeriMODEL™ to any light source. The minimum amount of light can induce polymerization (solidification).
4. Resin that is stored in a tray must be stirred before each print using a plastic or paper card (similar to a business card), to ensure a homogenous mixture.
5. Do not use the product past the expiration date.
6. The lot number and expiration date are indicated on VeriMODEL™ packaging. In case of questions or concerns, please refer to the lot number.
7. Packages are ideally transported at room temperature and away from light in a tightly sealed container to prevent leakage.

Validated Equipment

For all validated printers, curing units, and their setting, please scan the QR code

Processing

1. When printing with VeriMODEL™ 3D Print Resin, make sure it is at a temperature between 20°C and 30°C. Extreme high or low temperatures could negatively affect the performance of the resin.
2. VeriMODEL™ bottle must be shaken thoroughly before use.
3. After the build process is finished, post processing is required. If this cannot be immediately completed, leave the printed objects in the printer until ready to post process.

Post Processing

1. When the print job is complete, remove the build platform from the printer, and then carefully remove the printed objects from the platform.
2. The printed object must be rinsed with Isopropyl alcohol using an ultrasonic bath/washing unit for 5 minutes to eliminate any excess resin.
3. Printed objects must be rinsed with Isopropyl alcohol in a second fresh ultrasonic bath/washing unit for an additional 5 minutes.
   NOTE: Do not immerse the printed parts in alcohol for more than 10 minutes, as prolonged exposure may cause the material to deteriorate.
4. To remove excess alcohol, leave prints to dry at room temperature (or compressed air can also be used).
5. Place the printed objects in the light curing unit, and follow the manufacturer's instructions.
6. Look for cured debris in the tray after each print job. A paint strainer can be used to filter out any debris. Printing with cured debris could potentially cause damage to the tray or the printed objects.

7. Use crosscut carbide bur at a slow speed to remove the remaining printed support pins.
8. Deviations from the described manufacturing process may lead to different mechanical and optical properties of the material.

Working with Printed Models

1. Models can be coated with a separating material such as Whip Mix's Foilcote, Lubritex No. 12, or Gator Die Lube to prevent wax from adhering.
2. Models can be duplicated with silicone.
3. When models are used to create orthodontic appliances or denture bases, a non-food grade silicone mold release agent should be used to prevent acrylic from adhering to the surface of the model.
4. Models can be used with the vacuum form method to create aligners, retainers, and indirect bonding trays.
5. Models can be used with the laser welding process.

Warning!



Contains Methacrylate oligomers and monomers, Acrylate oligomers and monomers, and Phosphine Oxide.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H361 Suspected of damaging fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Phrases

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing mists, vapors or spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P308 + P313 IF exposed or concerned: Get medical attention.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor.
P337 + P313 If eye irritation persists: Get medical attention.
P391 Collect spillage.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local and national regulations.

Symbols and their Descriptions

Symbol	Description
	See Instructions for use
	Manufacture by
	Use-by-date
	Keep away from sunlight
	Temperature limit
	Shake well before use
	Batch number
	Unique Device Identifier
	Reference number



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