VeriCAST™ 3D Print Resin
Instruction for Use (IFU)

Product Description

Whip Mix VeriCAST™ is a 3D print resin for producing dental burnout patterns, it is compatible with DLP and LCD printers featuring 385nm and 405nm light sources.

Storage and Transportation

1. VeriCAST 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 VeriCAST to any light source. A 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 VeriCAST 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 VeriCAST™ 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. VeriCAST™ bottle must be shaken thoroughly before use. Color deviation may occur if not thoroughly shaken.
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 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. Deviations from the described manufacturing process may lead to different mechanical and optical properties of the material.

Investment Casting / Pressing

For optimal results, use Whip Mix ResinVest, which is a phosphate investment made specifically for burning out printed or milled resin patterns. For more information, visit https://whipmix.com/products/resinvest-investment/.

Warnings



H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H411 Toxic 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 mist, vapors or spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and protective clothing.
P303 + P313 IF exposed or concerned: Get medical advice.
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.
P391 Collect spillage.
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
LOT	Batch number
UDI	Unique Device Identifier
REF	Reference number

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