

PRIMAVALUE™

WATER WASHABLE RESIN

Why should I use PRIMAVALUE™ Water Washable resin?

- Can be cleaned and washed with water
- No IPA or detergent
- Low odor, less irritating
- Slightly soluble in water, not dangerous to environment
- Non VOC, RoHS certified
- Compatible with most resin 3D printers



* Please see our website for latest options and colors available.



PRIMAVALUE™ Water Washable resin

Perfect for most DLP and LCD printers on the market. Applicable industrial, Toys, carton figures, education, dental, jewelry, industrial modeling etc.

CLEANING – REGULAR RESIN

Step 1

Spray with Isopropanol, then blow resin away with cool wind.

Step 2

Prepare two containers with Isopropanol (alcohol > 95%), and place the object into the first container and slightly shake it, then soak in the second container for about 1 minute (dental resin should not exceed 30 seconds).

Step 3

Flush with water before you dry it, make sure it's 100% dried as residuary alcohol may cause white spot or crack on jobs.

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CLEANING – HIGH WAX RESIN (cwic ewic)

Step 1

Keep the printed objects on the platform, and wipe away the resin on the platform with tissue.

Step 2

Spray the alcohol on the prints and blow it with cool air until it is clean.

Note

· Do not dip in alcohol too long as it may crack and with white spot.

CLEANING – WATER WASHABLE RESIN

Cleaning with flush water and brush it gently with a soft brush, and then drying it with cold air to keep the prints in well condition.

Notes

- Do not use ultrasonic for cleaning, especially for casting resin.
- Dental resin jobs are recommended to be cleaned before takeoff from the platform to avoid deformation.

POST-CURING:

Step 1

The curing time is proportional to the volume of the work piece and inversely proportional to the optical power of the curing chamber. Example: 100 watt LED curing box, jewelry jobs is recommended to be cured with soaking in water for 20-30 minutes.

Step 2

The post-cure time of dental casting resin, dental non-casting resin and jewelry mold resin shall not more than 5 minutes.

Step 3

Work-pieces should be in the water during post-curing to prevent deformation especially for dental and jewelry.

Step 4

Don't forget to use cool air to dry it after post-curing.

WARNING

- This material should not be in contact with eyes, skin or clothing, and should not be tasted or eaten.
- If you accidentally touch your eyes or skin, immediately rinse with water for about 20 minutes and seek medical advice if necessary.
- Please pay attention to air circulation and take protective measures when using. Wash thoroughly after handling.
- The product is in a liquid state with a slight odor. Wear a mask and gloves.
- The product should be stored in a sealed container. After use, it should be filtered and keep back in bottle on time and placed in a dry and well ventilated place. It should not be exposed to sunlight.
- Shake well before use, and leave it for 30 minutes to eliminate air bubbles that generated during the shaking process.
- The ambient temperature is recommended to be controlled at 25-30 degrees Celsius, and during the printing should avoid any lights.
- Dispose of waste in accordance with local environmental regulations.
- Storage environment: Store in cool and dry place, and avoid sunlight, recommended temperature at 25-30 degrees Celsius.

Technical specification

Flexural modulus: 1.882-2.385Mpa	Elongation at break: 4-10%
Flexural strength: 40-58MPa	Hardness(Shore D): 85-88 D
Hot deformation temp.: 80°C	Glass transition temp.: 100°C
Thermal expansion: 95*E-6	Density: 1.05–1.25 g/cm3
Volume shrinkage: 3.35%-4.24%	Notched impact strength: 41-48j/m
Linear shrinkage: 1.05-1.35%	Viscosity: 100-350MPa·s
Tensile strength: 30-52MPa	
Tensile modulus: 1.779–2.385 MPa	

Reseller: