

## L-9800W Water-based UV Resin

### Description

**L-9800W** water-based UV primer resin is a water-based UV polyurethane aqueous solution modified by a special process. It has good adhesion to various types of wood, excellent sealing properties, and good pigment wettability.

### Technical Data

Appearance	Milky white emulsion
Viscosity (25°C, CPS)	100 - 200
Solid Content (%)	40 ± 2
pH Value	7.0 ± 0.3

### Product Features

It has good adhesion to ABS, ABS/PC, PC and wood, good sealing, good pigment wettability, good drying, good sandability, excellent water resistance, scrub resistance and alkali resistance.

### Applications

Water-based plastics UV; water-based wood UV sealing primers; water-based UV color wipers, etc.

### Reference Formula

#### L-9800W Water-based UV Primer

Main Component	
Water	10.6
Anti-mildew Fungicides	0.2
L-9800W Water-based Resin	65
Lencolo 1190W Dispersant	0.2
Lencolo 2024W Defoaming Agent	0.2
Lencolo 3245W Substrate Wetting Agent	0.3
5006D Photoinitiator	5
Filler	10
Color Paste	8
Thickening Agent	0.3
PH Value Adjuster	0.2
Total	100

### Precautions

1. The recommended diluent is tap water : isopropanol (or ethanol) at a ratio of 1 : 1. Additional solvents such as PMA may also be added as needed in the formulation.
2. This resin can be used on its own to formulate a clear varnish, suitable for sealing, protection, or gloss finishing on metal surfaces or wood substrates.
3. For non-absorbent substrates requiring high chemical and solvent resistance, hot-air drying is recommended prior to UV curing.
4. Curing conditions: a UV lamp with 3000 W or higher output. The optimal curing effect and fastest speed are achieved when the lamp-to-surface distance is within 7 cm; if the distance is greater, the exposure time should be appropriately increased.

## Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 50 kg / 200 kg per drum

**Tips:L-9800W provides good adhesion and has a certain emulsifying capability. It is compatible with conventional UV resins and UV monomers.**

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.