

L-9821W Water-based UV Polyurethane Resin

Description

L-9821W is a water-based 2-functional UV polyurethane acrylic resin modified with a special process. It has good water solubility, high flexibility, good wettability, good adhesion, good polishability, and low yellowing.

Technical data

Appearance	White lotion
Viscosity (25°C, CPS)	300-1,000
Chroma (Gardner)	≤1
UV component (%)	60
Density (g/cm ³ , 25°C)	1.1±0.1
PH value	3-6
Functional groups	2

Performance

Good water solubility, good water dilution, good boiling resistance, good chemical resistance

Good adhesion, especially good wetting and adhesion to wood

Excellent elasticity and flexibility, it is the first choice product for adjusting the flexibility of paint

Precautions

1. The diluent is tap water: isopropyl alcohol (or ethanol) 1:1. Solvents such as PMA can also be appropriately added to the formula;
2. The resin can be used alone to formulate a varnish, which can be used for sealing protection or gloss decoration on metal or wooden surfaces;
3. If it is applied to non-absorbent material surfaces and has high requirements for resistance to chemicals and solvents, it must be dried with hot air before UV curing;
4. The curing condition is a UV lamp with a power of 3000W or above. The distance between the lamp and the object to be illuminated is within 7CM for the fastest curing speed and the best effect. If the distance is greater than this distance, the illumination time needs to be extended appropriately.

Applications

Water-based wood sealing primer, topcoat, water-based paper UV, water-based plastic UV, water-based UV protective varnish for leather and artificial leather, etc.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 20KG/200KG/barrel

Tips:L-9821W 2-functional water-based UV resin has good flexibility, good boiling resistance and good chemical resistance.

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.