

L-1010 PU Silver Plating Resin

Description

L-1010 is a specially modified hydroxyl acrylic resin. It has excellent silver powder arrangement effect, super metallic feel, and improves the hiding power of metallic pigments. Adding ordinary silver paste or pearlescent powder to electroplated silver has a strong effect. It has a good metallic feel; it has excellent compatibility with ABS, PC, PC+ fiber, PA and PA+ fiber, PMMA, FRP, and PU and UV varnish. It is environmentally friendly, halogen-free, has good flexibility, good adhesion, easy construction and leveling properties, and has excellent compatibility with PU and UV varnish.

Technical data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	3,000 - 6,000
Solid content %	40±2
Acid value (solid)	≤7-10 mgKOH/g
OH value (solid content)	18±3mgKOH/g
OH % (solid content)	1.7
Tg	65°C
Solvents	Toluene, butyl ester

Performance

Excellent silver arrangement effect, the silver powder paint made with this resin has a good metallic feel, the silver powder is evenly arranged, and the silver does not fall off..
Excellent flexibility, good adhesion to the substrate, and good adhesion to the plating layer
Excellent interlayer adhesion, outdoor durability, good leveling, compatibility, and flexibility
It can be used in UV paint to adjust the flexibility of the coating film, reduce costs, and increase viscosity.

Reference formula

Silver paint		Thinner	
L-1010 resin	68	Toluene	25
Silver paste	8	Ethyl acetate	30
Butyl ester	8	Butyl acetate	35
Toluene	9.7	PMA	10
20%CAB381-2	6		
Lencolo 3106	0.3		

5~10% can be added to UV system to adjust the performance of the paint film and reduce costs.

Applications

UV silver primer, PU silver primer, UV varnish, vacuum plating primer, etc.

Precautions

It is a low hydroxyl PU. It can be added without curing agent or with 5-10% curing agent. The performance will be better.

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/25KG/190KG/barrel

Tips: L-1010 has excellent silver row effect and good recoatability. It can also be used with UV resin to improve adhesion to metal.

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.