

L-1201 High Solid Content PU Primer Resin

Description

L-1201 is a hydroxyl-containing acrylic copolymer that, at room temperature, can be combined with non-yellowing polyisocyanates to form a two-component system with excellent application properties, good silver powder orientation, and outstanding compatibility. It is highly suitable for two-component silver or pearlescent paints, offering excellent physical and chemical performance as well as pigment dispersibility, and can also be used to produce solid-color coatings.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	8,000 - 15,000
Solid Content %	59 ± 2
OH Value (solid content)	60 mgKOH/g
OH % (solid content)	1.8
Acid Value (solid)	3 - 7 mgKOH/g
Solvent	Butyl acetate, toluene

Product Features

Excellent adhesion to plastic substrates such as ABS, PC, PC+fiber, PA and PA+fiber, PMMA, fiberglass, TPU, as well as metal substrates like aluminum alloys.

Good compatibility with CAB; ensures uniform silver pigment orientation, strong intercoat adhesion, and good pigment dispersion.

Recoatibility is excellent; even after double recoating followed by UV or PU topcoat and water boiling, adhesion remains very good.

Chemical resistance is outstanding, withstanding water boiling at 100 °C for 2 hours.

Reference Formula

Aluminum paint		Thinner	
L-1201 resin	60	Xylene	45
T-12 (drier)	0.1	Ethyl Acetate	20
20%CAB381-2	10	Butyl Acetate	25
Aluminum Silver Paste	7	PMA	10
Lencolo 3108	0.3		
Adhesion Promoter	1		
Thinner	21.6		

Curing agent (N3390) : Butyl ester = 75 : 25

Main agent : Curing agent: Thinner =12 : 1 : (5~8)

Applications

Two-component PU varnish or solid color paint, pearl-effect coatings for various metals and plastics, and baking primers or UV primers.

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: 20 kg / 25 / 200 kg per drum

Tips: L-1201 is mainly used as a primer and has good adhesion to various metal substrates such as aluminum and stainless steel.

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.