

L-1250 PU Resin for Metal Paints

Description

L-1250 is a hydroxyl-containing acrylic copolymer that, when combined at room temperature with non-yellowing polyisocyanate, can form a two-component system with excellent application properties, good aluminum flake orientation, and outstanding compatibility. It is particularly suitable for two-component aluminum paints and pearlescent coatings, while also offering excellent physical and chemical properties and pigment dispersion. It can also be used to produce solid color coatings. The resin provides excellent adhesion to substrates such as ABS, PC, glass fiber-reinforced PC, PMMA, fiberglass, and various metals.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	2,800 - 4,500
Solid Content %	50 ± 2
OH Value (solid content)	66 mgKOH/g
OH % (solid content)	2
Acid Value (solid)	4 mgKOH/g
Solvent	Toluene, butyl acetate

Product Features

Quick-drying, good silver powder orientation and interlayer adhesion, high weather resistance.

Reference Formula

Aluminum paint		Thinner	
L-1250 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		
Thinner	22.6		

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

Main agent : Curing agent : Thinner = 8 : 1 : (3~6)

Applications

Two-component PU varnish or solid color paint; pearl-effect coatings for various metals and plastics; various baking paint primers; 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 / 25kg / 200 kg per drum

Tip: L-1250 exhibits good orientation of silver and pearlescent pigments, adheres well to carbon fiber and fiberglass, suitable for one-coat PU application.

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.