

## L-1005 Top-Coatable Silver Plating Resin

### Description

**L-1005** offers excellent silver flake orientation, effectively improving flake brightness and enhancing the opacity of metallic pigments. It provides good alcohol resistance, abrasion and scratch resistance, and high film hardness. The resin exhibits strong intercoat adhesion on ABS, PC, and ABS+PC substrates, and shows excellent compatibility with PU and UV topcoat systems.

### Technical Data

Appearance	Light yellow liquid
Viscosity (25°C, CPS)	200 - 500
Solid Content (%)	20 ± 2
Acid Value (solid)	≤ 1 mg KOH/g
Tg	120 °C
Solvent	Special mixed solvents

### Product Features

Excellent intercoat adhesion; cured film can be overcoated with PU or UV clearcoats without affecting intercoat adhesion, while maintaining good silver flake orientation

Outstanding silver flake orientation, enhancing the opacity of metallic pigments

Good alcohol resistance, abrasion and scratch resistance, and high film hardness

### Reference Formula

Silver paint		Thinner	
L-1005 Resin	65	Acetone	10
Silver Plating	4.5 - 6	Butanone	10
Lencolo 3108	0.5	Mix Propanol	20
Mixed Solvents	30	Naphtha	20
		Toluene	30
		Ethylene glycol monobutyl ether	10

In solvent-based formulations, ketone solvents are recommended for strong solvent components. For pure PC substrates, the use of ester solvents should be minimized.

Note: The choice of diluent should be adjusted according to the specific substrate.

### Applications

Suitable for PC, ABS, and PC+ABS substrates; simulated electroplated surfaces; single-coat systems with high alcohol and abrasion resistance; high-gloss electroplated silver inks with UV topcoat; PU coatings; and flexible topcoats.

### 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: 25 kg / 190 kg per drum

**Tips: L-1005 features well-aligned silver flakes, excellent adhesion, and strong resistance to etching, requiring no primer but contains a certain amount of halogens.**

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.