

L-9500W Water-based PU High Wear-resistant Resin

Description

L-9500W water-based specialty resin is a hydroxyl-containing acrylic resin dispersion modified by a special process. It has high hydroxyl content, high hardness, high fullness and wear resistance. L-9500W can be mixed with water-based isocyanate curing agent to prepare two-component industrial paint and automotive refinishing paint, or mixed with amino resin to prepare high-temperature baking paint. The obtained paint film has high gloss and hardness. Due to the high cross-linking density of the paint film, the paint film has excellent chemical resistance, water resistance, solvent resistance, weather resistance and stain resistance.

Technical data

Appearance	Milky white lotion
Brookfield viscosity (25°C, No. 4 rotor, 12 rpm	600-1,000
Solid content %	44±2
pH value	5
Tg	7.5±0.3
Minimum film formation temperature	90-120

Performance

It has good adhesion, excellent water resistance, scrub resistance and alkali resistance, high gloss, high hardness and high fullness. High weather resistance, high wear resistance.

Applications

For high wear resistance requirements: two-component water-based plastic topcoat, water-based hardware topcoat, two-component water-based wood topcoat, two-component varnish, etc.

Reference formula

L-9500W water-based PU topcoat			
Main ingredient		Hardener	
Water	10.8	Water-based curing agent	80
Film-forming additives	3.5	PMA	20
Anti-mildew fungicides	0.2	Total	100
L-9400W water-based resin	70		
Lencolo 1190W dispersant	0.2	Main agent: curing agent=4-5: 1	
Lencolo 2024W Defoaming Agent	0.2		
Lencolo 3245W Substrate Wetting	0.3		
Lencolo 3103 soft touch Leveling Agent	0.3		
Color paste	14		
Thickening agent	0.3		
PH value adjuster	0.2		
Total	100		

Precautions

The product should be stored in a closed container to avoid freezing and high temperatures. It is recommended that the normal storage temperature is between 10°C and 25°C.

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. 50KG/200KG/barrel

Tips:L-9500W has high hydroxyl group, high fullness, good wear 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.