

L-9400W PU Quick-drying Wear-resistant Resin

Description

L-9400W is a hydroxyl-containing acrylic resin dispersion modified through a special process. It offers high hydroxyl content, high hardness, fast drying, excellent transparency, and a full, rich film appearance. L-9400W can be blended with waterborne polyisocyanate curing agents to formulate two-component industrial coatings and automotive refinish coatings, or combined with amino resins to produce high-temperature bake coatings. The resulting films deliver high gloss, high hardness, and outstanding chemical resistance, water resistance, solvent resistance, weatherability, and anti-stain performance.

Technical Data

Appearance	Milky white emulsion
Viscosity (mPa.s)	500 - 4,000
Solid Content (%)	46 ± 2
Hydroxyl Content	3.9
pH Value	7 ± 1
Average Particle Size (nm)	80 - 120

Product Features

It offers high loading capacity for pigments and fillers, and provides excellent adhesion to ABS, ABS/PC, PC, wood substrates, and metal. It also features outstanding flexibility, water resistance, scrub resistance, and alkali resistance, along with high gloss, high hardness, excellent film build, and superior weatherability.

Applications

Applicable for two-component systems, including waterborne plastic coatings, waterborne metal coatings, waterborne wood coatings, and two-component topcoat clear coatings.

Reference Formula

L-9400W Water-based PU Quick-drying Topcoat

Main Component		Curing Agent	
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 Component : Curing Agent = 4 - 5 : 1	
Lencolo 2024W Defoaming Agent	0.2		
Lencolo 3245W Substrate Wetting	0.3		
Lencolo 3103 Soft Touch Leveling	0.3		
Color Paste	14		
Thickening Agent	0.3		
PH Value Adjuster	0.2		
Total	100		

Precautions

The product should be stored in a tightly sealed container, protected from freezing and excessive heat. The recommended storage temperature is 10–25 °C.

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 / 200 kg per drum

Tips:L-9400W is quick drying and has good wear 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.