L-9203W Water-based Cost-effective PU Topcoat Resin

Description

L-9203W is a hydroxyl-containing acrylic resin dispersion modified by a special process. The paint film has the characteristics of high hardness, high gloss and high fullness. L-9203W can be mixed with water-based isocyanate curing agent to prepare two-component industrial paint and automotive repair paint, or mixed with amino resin to prepare high-temperature baking paint. The obtained paint film has high gloss, high hardness, excellent chemical resistance, water resistance, solvent resistance, weather resistance and stain resistance. L-9203W also demonstrates very good leveling and flow properties. Compared with L-9201W, L-9203W offers a cost advantage.

Technical Data

Appearance	Milky white emulsion
Viscosity（mPa.s）	800 - 3,000
Solid Content %	45 ± 2
Hydroxyl Content	3.8
pH Value	7.5 ± 0.5
Average Particle Size (nm)	80 - 120

Product Features

It has strong versatility, high cost performance, high bearing capacity for pigments and fillers, and good adhesion to ABS, ABS/PC, PC, wood equipment, and metal. Excellent flexibility, water resistance, scrub resistance and alkali resistance, high gloss, high hardness, high fullness and high weather resistance.

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-9203W Water-based PU 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-9203W Water-based Resin	70		
Lencolo 1190W Dispersant	0.2		
Lencolo 2024W Defoaming Agent	0.2		
Lencolo 3245W Substrate Wetting	0.3	Main Component : curing Agent = 4~5 : 1	
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: 50 kg / 200 kg per drum

Tips:L-9203W is used for water-based PU topcoat, with high cost performance and good weather resistance.