



KL0363AC Acrylic Powder Coating

KwoLin KL0363AC is acrylic powder coating. It has the best performance of weather resistance, chemical resistance, leveling, flexibility, corrosion resistance and impact resistance. It is the most suitable choice for outdoor products such as automobiles, motorcycles, and bicycles.

Application and Storage Conditions:

- Oil, grease and rust should be removed by degreaser. Then zinc phosphate pretreatment is recommended for optimum performance.
- Use the electrostatic spray gun to application on substrates.
- The film should be cure on metal temperature at **160°C for 15 minutes**.
- Film thickness should be controlled at 50~70 μm for high performance.
- Shelf life is six months when stored in dry conditions **at 10°C**.

Products Properties:

Test Item	Test Method	Standard Specification	Result
Baking environment	Hot wind oven	160°C x15mins	Pass
Appearance	Approximate flat surface	Good	Pass
Shelf life	Below 25°C for 6 months	No agglomeration	Pass
Color	Checked by eyes	Close to standard	Pass
Flexibility	ASTM D522, method B	180°* ϕ 6mm	No peel off
Gloss (60°C)	AAMA 2604	Depends on the base	>95%
Crosshatch adhesion (ASTM D3359)		5B · 100%	Pass
Impact resistance (5/8")		25kg.cm	No peel off
Film thickness (μm)		60 ~ 80 μm	70 μm
Pencil hard		F ~ 2H	H
Humidity resistance (100%RH, 100°F, 3000hrs)		No stripped.	Pass
Acid resistance (5% H_2SO_4 , 24hrs)		No bubble & no stripped.	Pass
Base resistance (5% Na_2CO_3 , 24hrs)		No bubble & no stripped.	Pass



Weather test UVB-313 Gloss retention (%)	ASTM G154 (Cycle 1) 2000 hrs	Gloss retention >80%	Pass
Salt spray test (5%NaCl, 3000 hrs)	AAMA 2604 ASTM B117-11	No blister. No Crack	Pass

Tests were performed on Q-Panel AL36

Disclaimer: This product data sheet is based on our knowledge and on current laws. The data referring to powder properties, application data and physical tests is based on lab-based samples. The highest quality powder coating finish results from proper substrate surface preparation, appropriate pretreatment, effective rinse stages, proper powder coating application and enough temperature and dwell to ensure the powder coating is cured. Factors such as quality or cure condition of the substrate may influence the use and application of the product. It remains the responsibility of the user to test thoroughly if the product is applicable for the intended use. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. We are not liable for any application-technological advice.