



## 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  $\mu\text{m}$  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	<b>160°C x15mins</b>	Pass
Appearance	Approximate flat surface	Good	Pass
Shelf life	Below <b>10°C for 6 months</b>	No agglomeration	Pass
Color	Checked by eyes	Close to standard	Pass
Flexibility	ASTM D522, method B	180°* $\phi$ 6mm	No peel off
Gloss (60°C)	AAMA 2604	<b>Depends on the base</b>	<b>&gt;95%</b>
Crosshatch adhesion ( ASTM D3359 )		5B · 100%	Pass
Impact resistance (5/8" )		25kg.cm	No peel off
Film thickness ( $\mu\text{m}$ )		<b>60 ~ 80 <math>\mu\text{m}</math></b>	<b>70 <math>\mu\text{m}</math></b>
Pencil hard		F ~ 2H	H
Humidity resistance (100%RH, 100°F, <b>3000hrs</b> )		No stripped.	Pass
Acid resistance (5% $\text{H}_2\text{SO}_4$ , 24hrs)		No bubble & no stripped.	Pass
Base resistance (5% $\text{Na}_2\text{CO}_3$ , 24hrs)		No bubble & no stripped.	Pass



Weather test <b>UVB-313</b> Gloss retention (%)	ASTM G154 (Cycle 1) 1000 hrs	<b>Gloss retention</b> <b>&gt;80%</b>	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: The information and data of this product are inferred or tested based on our company's previous knowledge. Users are responsible for inspecting the quality, safety, and other attributes of the product mentioned here. Except for a binding purchase agreement specifically signed for this product, Kwolin makes no express or implied warranties, including operability and applicability. The physical and chemical properties such as related colors, gloss, and other factors may vary slightly due to the substrate properties, pretreatment procedures, film thickness, and baking temperature and time by your company. We strongly recommend that your company conducts trials to confirm that it meets your requirements before using it in production.