



0- Series Exterior Powder Coatings (Matt)

KwoLin 0-Series are polyester powder coatings. They can be applied on metal as protective paint, while they can be used indoors and outdoors.

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 **200°C for 15 minutes**.
- Film thickness should be controlled at **60~90 μm** for high performance.
- Shelf life is six months when stored in dry conditions at 25°C.

Products Properties:

Test items	Test method	Results
1. Specific gravity	By calculate	1.4 $\pm$ 0.3
2. Impact resistance	ASTM D2794	30kg. cm, no remove
3. Pencil hard	ASTM D3363	H
4. Cross hatch adhesion	ASTM D3359, method B	5B
5. Salt spray resistance	ASTM B117, 400hrs	No removed
6. Acid resistance	In 5% H_2SO_4 , 24hrs	No removed, no bubble
7. Base resistance	In 5% Na_2CO_3 , 24hrs	No removed, no bubble
8. UV exposure	ASTM G154(Cycle 1), 400hrs	Gloss retain >50%
9. Boiled resistance	Boil for 20 minutes	No removed, no bubble

Tests were performed on Q-Panel AL36

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