



0-Series Exterior Powder Coatings (Hammer)

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 10 minutes.
- Film thickness should be controlled at 60~90 μm (fine hammer) or 80~120 μm (thick hammer) 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

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.