



DP-Series Exterior Powder Coatings (Matt)

KwoLin DP-Series are high durable polyester powder coatings, which have two times more weather resistance than general exterior powder coatings. It can avoid corrossions under the exposure to the burning sun. It is recommended to be used on the surface of the metal to prevent corrossions.

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, 1000hrs	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), 1000hrs	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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