



Product overview

Category: this product is a metal paint with high-grade resin as film-forming substance;

Composition: water-based resin, additives, aluminum paste, water, etc.

Features: excellent hardness, solvent resistance, impact resistance and adhesion;

This product takes water as the dispersion medium, which has no ignition point, non-flammable and non-explosive at room temperature;

It has excellent adhesion, weather resistance and protective and decorative properties;

The construction process and coating film forming process are simple.

area of application

Suitable for all kinds of metal surfaces such as hardware, decorative parts and motorcycle accessories.

Technical indicators (typical data)

project	index
Color and appearance	Translucent viscous liquid
fineness	$\leq 10\mu\text{m}$
pH value	8.0~9.0
Viscosity (apply -4 cups)	$\geq 55\text{-}80\text{s}$
Solid content	$60\% \pm 2$
Gloss (60 photometer)	80-90 (optional)
Adhesion (100-grid method)	Level 0
Impact strength	$\geq 50\text{cm.kg}$
pencil hardness	$\geq 2\text{H}$
flexility	$\leq 1\text{mm}$
Glacial acetic acid resistance 3.5%	24H
Alcohol wipe resistance (100 times back and forth)	Can't wipe off the paint
Salt spray resistance (5% sodium chloride)	120HHH

Construction reference

- ◆ Description of substrate: polished parts, hardware, electroplated parts, steel components.
- ◆ Surface treatment: firstly, remove impurities such as floating ash, floating rust and oil



stains from the surface of the workpiece to be coated, so that the surface of the workpiece to be coated is clean and dry;

- ◆ Construction method: dip coating; Waterborne electrostatic gun spraying.
- ◆ Diluent: pure water or clean tap water;
- ◆ Dilution ratio: add water according to 30%~50% of the original paint weight, or make appropriate adjustment according to the specific situation.
- ◆ Construction viscosity: spraying viscosity: 16~22 seconds (coating -4 cups, 23 2℃); The viscosity of dip coating needs to be mastered freely. After normal use, record the data, record the viscosity of paint solution applied every day with a viscosity cup, and adjust the viscosity of bath solution with original paint and water.
- ◆ Construction process: the substrate is dipped and coated, and the thickness is controlled at 3-10μm, and then it is simply dried.
- ◆ Drying method: 120-150℃ for 30min or 210℃ for 5min.

matters need attention

- ◆ The quality of metal substrate treatment will directly affect the forming effect and protective performance of the coating film;
- ◆ This product should be stored in a cool and ventilated place at a temperature of 0℃-45℃, and the validity period is one year. If it passes the storage period, it can still be used after inspection.

Packaging and transportation

- ◆ Packaging: 20/50kg/ barrel;
- ◆ Transportation: transport by non-dangerous goods.

statement

- ◆ The information provided in this product manual is completely based on what we have learned in our laboratory and practice. However, because the use of products is usually beyond our control, we only guarantee the quality of the products themselves. We reserve the right to modify this instruction without prior notice. For more details, please check our website: www.towercoating.com.

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