



Product Overview

- ◆ Category: This product is a metal baking paint using high-grade resin as the film-forming substance;
- ◆ Composition: water-based resin, additives, aluminum silver paste, water, etc;
- ◆ Features: * Excellent hardness, solvent resistance, impact resistance, and excellent adhesion;
- ※ The product uses water as the dispersion medium, non-flammable and non-explosive at room temperature;
- ※ Excellent adhesion, weathering resistance and protective decorative properties;
- ※ The construction process and coating film-forming process meet the requirements and conform to the directive.

Scope of application

Suitable for various hardware, decorative parts, motorcycle parts and other metal surfaces.

Technical index (typical data)

Item	Indicator
Color and appearance	Translucent viscous liquid
Fineness	≤10μm
PH value	8.0~9.0
Viscosity (coated-4 cups)	≥55-80s
Solid content	60%±2
Glossiness (60° photometer)	80-90 (optional)
Adhesion (Hundred Gram Method)	Grade 0
Impact strength	≥50cm.kg
Pencil hardness	≥2H
Flexibility	≤1 mm
Resistant to glacial acetic acid 3.5%	24H
Alcohol wipe resistance (100 times back and forth)	Wipe without paint loss
Salt spray resistance (5% sodium chloride)	120H

Construction reference

- ◆ Substrate description: Finely polished parts, hardware parts, electroplated parts, steel components and other metal substrates.
- ◆ Surface treatment: remove impurities such as floating ash, rust and oil from the surface of



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

Construction method: Dip coating; water-based electrostatic gun spraying.

- ◆ Diluent: pure water or clean tap water;
 - ◆ Dilution ratio: 30%~50% of the original paint weight with water, or adjust according to the specific situation.
 - ◆ Construction viscosity: spraying viscosity: 16~22 seconds (coated-4 cups, $23 \pm 2^\circ\text{C}$); dip coating viscosity needs to be mastered freely, data record after normal use, record the daily construction paint viscosity with viscosity cup, and adjust the viscosity of the tank with original paint and water.
 - ◆ Construction process: substrate treatment dip coating, thickness control at 3-10um
After simple leveling into the baking channel.
- Drying method: 120-150°C, 30min. or 210 degrees for 5 minutes.

Attentions

- ◆ The degree of metal substrate treatment will affect the molding effect and protection performance of the coating film;
- ◆ The product should be stored in a cool and ventilated place at a temperature of $0^\circ\text{C} \sim 45^\circ\text{C}$, and is valid for one year; if the storage period has passed, it can still be used after inspection.

Package and transportation

- ◆ Package: 20/50kg/barrel;
- ◆ Transportation: transported as non-dangerous goods.

Declaration

The information provided in this product specification is based solely on our knowledge gained in the laboratory and practice. However, since the use of the product is usually beyond our control, we only give a guarantee of the quality of the product itself. We reserve the right to modify this manual without prior notice. For more information, please consult our website: www.towercoating.com

www.towercoating.com

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