



## Product Overview

This product is a one-component drying colorless or tinted transparent lacquer using high-grade resin as the film-forming substance;

## Product characteristics

The product uses water as the dispersion medium, has no ignition point at room temperature, and is non-flammable and non-explosive;

Excellent adhesion, weathering resistance and protective and decorative properties;

Construction process and coating film-forming process, in line with the requirements, in line with the directive.

## Scope of application

Suitable for all kinds of hardware doors and windows, handles, doors and other metal surfaces.

## Product parameters

Item	Indicator
Color and appearance	Transparent viscous liquid of all colors
Fineness	$\leq 10\mu\text{m}$
PH value	8.0~9.0
Viscosity (coated-4 cups)	$\geq 55-65\text{s}$
Solid content	$60\% \pm 2$
Glossiness (60° photometer)	0~100
Adhesion(Hundred grid method)	Grade 0
Impact strength	$\geq 50\text{cm.kg}$
Pencil hardness	$\geq 2\text{H}$
Flexibility	$\leq 1\text{mm}$
Alcohol wiping resistance (100 times back and forth)	Wiping without paint loss

## Construction reference

Substrate description: The substrate is copper, aluminum, zinc alloy.

Surface treatment: first remove the oil and dirt on the surface of the workpiece to be coated, you can use wax removal water or tianna water, lightly wipe, to cotton ball with black as the standard, pay attention to the edge position, remove floating ash, floating rust oil and other magazines, so that the surface of the workpiece to be coated clean and dry;

## Water-based metallic topcoat (baking type)



Construction method: manual spraying, electrostatic spraying or robotic spraying;  
Diluent: pure water or clean tap water;  
Dilution ratio: 10%~50% of the original paint weight with water, or adjusted according to the specific situation;  
Construction viscosity: spraying viscosity: 30~40 seconds (coated-4 cups, 23±2°C);  
Construction process: substrate treatment 60 °C, pre-baking, manual spraying, thickness control at 8-15UM simple leveling into the baking channel, 140-160 °C, 30MIN.  
Drying method: 140-160±2°C, baking 30MIN.

### **Caution**

The degree of superiority or inferiority of metal substrate treatment will directly affect the molding effect and protective performance of the coating film;  
This product should be stored in a cool and ventilated place, temperature 0°C~45°C, valid for one year; if the storage period has passed, it can still be used after inspection.

### **Declaration**

The information provided in this product specification is based solely on our knowledge gained in the laboratory and in 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](http://www.towercoating.com)

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