

Product Overview

Category: This product is a one-component or two-component drying lacquer using high-grade resin as the film-forming substance;

Composition: High-grade resin, pigment, filler, additives, water, etc;

Features: the product uses water as the dispersion medium, non-flammable and non-explosive at room temperature;

Excellent adhesion, weathering resistance and protective decorative properties;

Construction process and coating film formation process Meet the requirements, in line with the EU RoHs directive.

Scope of application

This product is suitable for the coating of various daily-use glass and ceramic surfaces.

Technical index (data)

Item	Indicator
Color and appearance	White viscous liquid
Fineness	$\leq 20\mu\text{m}$
PH value	8.0~9.0
Viscosity (coated-4 cups)	$\geq 30\text{sec}$
Solid content(120°C/2hours)	$\geq 32\%$ (solid color)
Glossiness (60° photometer)	0~90
Adhesion(Hundred grid method)	$\leq 5\%$ paint loss
Pencil hardness	$\geq 3\text{H}$
Water resistance (room temperature to immersion)	7 days no blistering, no peeling, no discoloration
Fragrance resistance (point contact)	10 hours no blistering, no shedding, no change
Alcohol resistance (95% anhydrous ethanol)	No shedding after 12 hours of immersion Bacchus test
Resistance to liquor (alcohol 52%vol wine)	After 24 hours of immersion, no shedding the 100-gram test
(Note: water resistance, alcohol, liquor, flavor test conditions are 1. substrate: alcohol wipe clean glass plate; 2. coating: spraying, dry film $15\mu\text{m} \sim 20\mu\text{m}$; 3. Drying: $180 \pm 2^\circ\text{C}$, constant temperature baking for 30 minutes.	



Construction reference

- ◆ Surface treatment: safely remove impurities such as floating dust and oil 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: spraying;
- ◆ Diluent: pure water or clean tap water;
- ◆ Dilution ratio: 5%~10% of the weight of the original paint with water, or adjusted according to the specific situation;
- ◆ Construction viscosity: spraying viscosity: 25~30 seconds (coated-4 cups, $23 \pm 2^{\circ}\text{C}$);
- ◆ Drying method: $180 \pm 2^{\circ}\text{C}$, constant temperature baking for 30 minutes;
- ◆ Coating thickness: single layer dry film thickness $10 \mu\text{m} \sim 20 \mu\text{m}$.

Cautions

- ◆ The degree of superiority or inferiority of the substrate treatment will directly affect the effect and protective performance behind the coating film;
- ◆ The workpiece after coating should be left in a dust-free environment for 5~10 minutes before entering the baking equipment;
- ◆ 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 half a year; if the storage period has passed, it can still be used after passing the inspection.

Package and transportation

- ◆ Package: 20 kg or 50 kg/drum;
- 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

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