



## Product Overview

Category: This product is a one-component water-based white baking paint using high-grade resin as the film-forming substance;

Composition: water-based resin, pigments, additives, water, etc;

Features: excellent water-based pen erasability;

The product uses water as the dispersion medium, which is not flammable and explosive;

Excellent adhesion, weathering resistance and protective decorative properties;

Construction process and coating film-forming process are in line with the requirements and standards.

## Scope of application

Applicable to all kinds of erasable water-pencil board, chalk board, printed iron, printed aluminum and other metal surfaces.

## Technical index (typical data)

| Item                                                                                                                                                                                                      | Indicator             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Color and appearance                                                                                                                                                                                      | White viscous liquid  |
| Fineness                                                                                                                                                                                                  | $\leq 15\mu\text{m}$  |
| PH value                                                                                                                                                                                                  | 8.0~9.0               |
| Viscosity (coated-4 cups)                                                                                                                                                                                 | $\geq 160\text{sec}$  |
| Solid content (120°C/2hours)                                                                                                                                                                              | $\geq 50\%$           |
| Glossiness (60° photometer)                                                                                                                                                                               | $\leq 15$             |
| Adhesion (circle scribing method)                                                                                                                                                                         | $\leq 1$ grade        |
| Impact strength                                                                                                                                                                                           | $\geq 50\text{kg.cm}$ |
| Pencil hardness (Chinese pencil)                                                                                                                                                                          | $\geq 2\text{H}$      |
| Flexibility                                                                                                                                                                                               | $\leq 1\text{mm}$     |
| Water-resistant whiteboard pen erasability Easy to erase, does not leave traces<br>Note: The pen used to test the wipability of water-resistant whiteboard pen is based on Toyo and true color black pen. |                       |

## Construction reference

Surface treatment: safely remove impurities such as floating dust, rust, oil and dirt from the surface of the workpiece to be coated, and make the surface of the workpiece to be



coated clean and dry;

Construction method: roller coating.

Diluent: pure water or clean tap water;

Dilution ratio: 10%~20% of the original paint weight with water, or adjusted according to the specific situation;

Construction viscosity: roller coating viscosity: 70~100 seconds (coated-4 cups,  $23 \pm 2^\circ\text{C}$ ); or adjusted according to customer requirements;

Drying method:  $220 \pm 2^\circ\text{C}$  (board temperature), constant temperature baking for 7~9 seconds;

Drying test method: wipe back and forth 30 times with a cloth glued with a concentration of 95% alcohol, and then snap with a fingernail without moving (the paint film is not soft as qualified;

Coating area:  $\geq 17 \text{ m}^2/\text{kg}$ , (single layer dry film thickness  $15 \mu\text{m}$ - $20 \mu\text{m}$ ), the actual coating area is related to the specific construction thickness (dry film).

### Note

The degree of treatment of metal substrate will directly affect the effect and protection performance of the coated film;

The product should be stored in a cool and ventilated place at a temperature of  $0^\circ\text{C}$ - $40^\circ\text{C}$ , and is valid for half a year.

### Statement

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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