



Product Overview

Category: This product is a one-component self-drying color paint using high-grade acrylic resin as the film-forming substance;

Composition: High-grade resin, pigments, fillers, additives, water, etc;

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

construction process and coating film-forming process, in line with the requirements, in line with the directives;

excellent adhesion, weathering resistance and protective decorative properties;

Because the volatility of water is less than organic solvent, so the construction area under the same construction thickness is larger than oil-based paint.

Scope of application

Suitable for various light industrial products, electromechanical, instrumentation, transportation and other metal surfaces.

Technical index (typical data)

Item	Indicator
Color and appearance	Various colors of viscous liquid
Fineness	$\leq 20\mu\text{m}$
Viscosity (coated-4 cups)	$\geq 60\text{s}$
Solid content(120°C/2hours)	$\geq 40\%$
Adhesion (circle scribing method)	≤ 1 grade
Impact strength	$\geq 50\text{cm.kg}$
Pencil hardness	$\geq \text{HB}$
Flexibility	$\leq 1\text{mm}$
Water resistance (tap water)	96 hours without blistering, no shedding, slight discoloration allowed
Salt water resistance (3% NaCL solution)	48 hours no blistering, no shedding, slight discoloration allowed
Drying time (23 ± 2°C, relative humidity 80%)	Surface dry ≤ 40 minutes / solid dry ≤ 48 hours dry ≤ 7 days HH

(Note: The test conditions for salt water and salt spray resistance are: 1. substrate: degreased and polished cold-rolled steel plate; 2. coating: spraying epoxy zinc-rich primer twice + epoxy cloud iron medium coating twice; 3. drying: room temperature drying for seven days.)

Construction reference

Surface treatment: safely remove impurities such as floating ash, rust, oil and dirt 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 or brushing, soft wool brush is suitable for brushing;

Diluent: pure water or clean tap water;

Dilution ratio: 5%~15% 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: natural drying at room temperature, or baking at low temperature of $80^\circ\text{C}\sim 90^\circ\text{C}$ for 15~20 minutes;

Coating thickness: single layer dry film thickness $15 \mu\text{m}\sim 25 \mu\text{m}$.

Precautions

The degree of superiority or inferiority of the metal substrate treatment will directly affect the back effect and protective performance of the coating film;

The substrate must be painted as soon as possible after treatment, and the secondary painting can be done after the surface drying of the paint film;

Temperature below 5°C , relative humidity \geq Can not be constructed when 85%;

If it is raining, it cannot be applied outdoors, if it is applied, it should be covered by a tarp to protect the paint film which is not completely dry;

The product should be stored in a cool and ventilated place at a temperature of $5^\circ\text{C}\sim 45^\circ\text{C}$, and it is valid for one year; if the storage period has expired, it can still be used after passing the inspection.

Package and transportation

Package: 20kg drum;

Transportation: according to non-dangerous goods transportation.

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

High-grade water-based acrylic topcoat in various colors (self-drying)



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