Cool Index T900

Heat Reflecting Waterproof Exterior Paint

Product Description

This product is composed of environmentally friendly resin emulsion, high-quality pigments and fillers, additives and other materials, and is refined using advanced technology. The product selects functional materials such as infrared reflective pigments, which can give the coating a lower thermal conductivity, high solar reflectance, near-infrared reflectance and hemispherical reflectivity, and play a role in high temperature resistance and heat insulation. In addition, the product has multiple excellent properties such as high elastic elongation and crack resistance, and can be effectively used in exterior wall systems in multiple scenarios.

Where To Use

Used for decoration and protection of large buildings such as office buildings, hotels, factories, high-rise buildings, villas, schools, etc.

Theoretical coating area

About (0.24 ~ 0.35) kg/m2/2 times (roller coating) or (0.35 ~ 0.50) kg/m2/2 times (spray coating). The actual coating area will vary depending on the construction method, construction tools, dilution ratio, use conditions, flatness of the surface to be coated, etc.

Cleaning

All tools should be cleaned with water immediately after use.

Product Features

- Highly elastic and crack-resistant;
- Alkali-resistant and mildew-resistant;
- Highly efficient in reflecting sunlight, reducing heat absorption, and bringing high-efficiency energy-saving effects;
- Weather-resistant and water-resistant;
- Long-lasting and bright.

Related parameters

- Main ingredients: water-based acrylic emulsion, water, pigments, fillers and various additives
- Packing specification: 25 kg/barrel

Construction suggestions

- Construction method: roller coating, spraying
- Construction tools: roller, spray gun

Drying time

- Surface drying time: ≤2 hours (single coating of standard thickness, 25℃ ± 2℃,relative humidity 50% ± 5%);
- Recoating time: ≥12 hours (single coating of standard thickness, 25℃ ± 2℃,relative humidity 50% ± 5%);

Dilution method

- Dilution method: dilute with clean water
- Dilution ratio (weight ratio): 0% ~ 10% (add appropriate amount of clean water and mix evenly according to the viscosity of the paint during construction)

Product Storage

- This product must be sealed and stored in a cool, dry, ventilated place at 5℃ ~ 35℃. Prevent frost and avoid exposure to sunlight, rain and high temperature. If the product is unopened and properly stored, the shelf life is 12 months at room temperature.

Implementation Standards

- JG/T 172-2014 Elastic Architectural Coatings
- JG/T 235-2014 Architectural Reflective Thermal Insulation Coatings
- GB 18582-2020 Limits of Hazardous Substances in Architectural Wall Coatings

Precautions for use

- When the wall pH value is ≥10, it should be cleaned with oxalic acid solution, and then cleaned with clean water until the wall pH value is <10. The next process can be carried out after the wall is dry;
- Stir thoroughly before use, select the ratio that is easy to apply according to the temperature and humidity on site, and take the viscosity required by different coating methods as the standard;
- This product is a water-based paint and should avoid organic solvent pollution;
- It cannot be applied in rainy or windy weather, and the wet wall should be dried before application;
- Please use up the opened product as soon as possible;
- Pay attention to necessary labor protection during construction.

Construction precautions

- During construction, the ambient temperature must be between 5℃ and 40℃, the moisture content of the wall must be ≤10%, the relative humidity must be ≤85%, and construction should be avoided in strong winds, rain, foggy days and high temperature weather.
- Ensure that the coating is evenly applied.
- Ensure that there is no grease, dust and loose materials on the painted surface; the newly built wall needs to be fully dried, the moisture content of the wall (or putty) surface must be ≤10%, and the PH value must be ≤10; the unpainted substrate must be treated with the corresponding primer first.

Safety Matters

- Please read the instructions before use.
- The paint can lid must be tightly closed and placed out of reach of children.
- Ensure good ventilation during use and drying.
- Be careful when transporting the paint, and keep the can lid upright.
- If it accidentally gets into your eyes, please rinse immediately with plenty of water and seek medical help; if allergic skin or children are accidentally contaminated, rinse immediately with water and seek medical help if necessary.
- If the paint spills, cover it with sand or soil, and dispose of the waste in accordance with government environmental protection requirements. Do not pour the paint into the sewer or drain pipe.
- Dispose of paint waste in accordance with local environmental protection standards.

Technical Data Based For Reference

Process	Product Name	Number of coating passes	Theoretical coating rate (kg/m2)	Recoating time (h/25℃, relative humidity 50%±5%)
Putty	Exterior wall putty	2	2.5 ~ 3.5 (scraping)	Recoating time: ≥6h
Primer	Multifunctional exterior wall colored special primer	1	0.12 ~ 0.15 (roller coating) 0.30 ~ 0.45 (spraying)	Surface drying time: ≤2h Recoating time: ≥4h
Topcoat	Reflective thermal insulation elastic exterior wall paint	2	0.24 ~ 0.35 (roller coating) 0.35 ~ 0.50 (spraying)	Surface drying time: ≤2h Recoating time: ≥12h

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