



锌盾产品说明书

Zd96-21 zinc shield cold spraying zinc (easy spraying zinc)

Product Description:

The utility model relates to a one component high solid heavy-duty anti-corrosion self spraying aerosol paint composed of fusion agent, zinc powder, solvent, etc.

Main features:

The zinc content of the coating is greater than 96%;

Excellent antirust performance;

Excellent weather resistance;

Excellent adhesion;

Flexible and simple construction and rapid drying.

Design purpose:

It is used for small area long-term corrosion prevention and repair of steel structures. It can be used in a single layer or coated with supporting heavy-duty anti-corrosion coatings on the surface to play a synergistic role and meet various protection requirements. It is the best material to replace or repair hot sprayed zinc and hot galvanized coating.

Specification data:

Color: zinc gray

Gloss: matte

Volume solids content: 45%

Density (kg / L): 2.4 ± 0.1

Typical film thickness and theoretical coating rate:

	minimum	typical	highest
Dry film thickness (μ m)	40	60	80
Wet film thickness (μ m)	90	135	180
Theoretical coating rate (m2 / can)	3.3	2.2	1.5

Actual coating rate: appropriate loss coefficient is allowed

Construction description

Applicable substrate and surface treatment:

New steel: remove the grease on the surface with appropriate cleaner, and wash the salt and other dirt on the surface with fresh water. Remove the welding slag, grind the weld and sharp edges, spray clean to Sa2.5 (iso8501-1), and the best surface roughness is $rz40\text{ }\mu\text{m} \sim 75\text{ }\mu\text{m}$ (medium roughness in iso8503-1 comparison plate). It is best to apply primer within 4 hours after spray cleaning.

Maintenance of galvanized surface: completely remove the grease on the surface with appropriate detergent, wash off the salt and other dirt with high-pressure fresh water, polish the small area of corrosion with power tools, and make up with this product.

Construction and curing environmental conditions:

The construction ambient temperature is $-5 \sim 50\text{ }^{\circ}\text{C}$, the air relative humidity is not greater than 95%, and the steel surface temperature shall be greater than $3\text{ }^{\circ}\text{C}$ of dew point; Rain, fog, snow, strong wind, heavy dust and other bad weather, outdoor use is prohibited;

When the temperature is high in summer, be careful with dry spraying. During construction and drying in narrow space, a lot of ventilation is required;

usage method:

1. completely remove the oil, water and dust of the part to be painted.
- 2Before spraying, shake the tank up, down, left and right for about two minutes so that the paint solution can be fully mixed.
3. press the nozzle with your finger to spray evenly back and forth at a distance of about 20 ~ 30cm from the coated surface.
- 4Adopt multiple spraying method and spray a thin layer every two minutes, which is better than one-time completion.
- 5After use and before storage, please turn the jar upside down, press down the nozzle for about 3 seconds, clean and spray the remaining paint to prevent mouth blockage.

Drying / curing time and coating interval:

Substrate surface temperature	5℃	15℃	25℃	35℃
Surface stem	1hour	45minute	15minute	10minute
Hard work	3hour	2hour	1hour	45minute
Minimum self coating interval	2hour	1hour	30minute	20minute
Minimum interval of coating sealant	36hour	24hour	18hour	12hour
Maximum coating interval	unlimited			

Note: the above data are measured under the conditions of good ventilation, typical film thickness and 75% relative humidity. They are for reference only. The actual drying time and the time interval before coating can be long or short, depending on the influence of factors such as film thickness, ventilation, humidity, lower paint, early loading and unloading demand and mechanical strength.

Typical paint matching:

The previous supporting paint: directly sprayed on the steel surface with surface treatment up to Sa2.5 or ST3 or hot-dip galvanizing and hot-dip galvanizing surface; Subsequent supporting paints: zinc shield sealer, zinc shield metal sealer, zinc shield silver finish, zinc shield silver zinc rich, zinc shield zinc aluminum coating.

Packaging, storage and management:

Package specification: 420ml / can

Flash point: > 47 °C

Storage conditions: it must be stored in accordance with national regulations. The storage environment shall be dry, cool and well ventilated, and avoid heat source and fire source. The packaging container must be kept closed.

Storage validity: the storage validity under good storage conditions is 2 years.

Health, safety and environmental protection:

This product contains inflammables, and the safety of the construction site shall comply with the relevant national or local government regulations. Please pay attention to the safety label on the package and read the product safety data sheet (MSDS).

Avoid inhaling solvent vapor and paint mist, and avoid paint contacting skin and eyes. It is strictly prohibited to swallow this product. Take necessary preventive and protective measures to prevent fire, explosion and protect the environment. Use this product under good ventilation. Strong ventilation must be provided for construction in narrow places or places with poor air circulation.

Waste disposal must comply with relevant national or local government regulations.

Statement:

The product information and data are accumulated according to our experience in test and actual use, and can be used as a construction guide. However, since the use of the product is usually outside our control range, we only provide the quality assurance of the product itself. Our company reserves the right to make modifications according to the continuous improvement of products without prior notice.

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