MarineShield Paint

Marine Paint

M836 solvent-free aluminum iron epoxy anti-rust paint

Features:

Aluminum-Iron Epoxy Anti-Corrosion Paint is composed of solvent-free epoxy resin, aluminum powder, iron oxide red, anti-corrosion pigments, and reactive active thinners, forming a two-component cashew nut amine adduct cured epoxy paint. It can be applied in a single spray to achieve a dry film thickness of 300 microns. The coating film has strong adhesion, abrasion resistance, salt spray resistance, good compatibility, and excellent anti-corrosion performance.

Application:

It can be used as a primer for high-performance coating systems, suitable for steel structures, pipelines, and dock facilities as a heavy-duty anti-corrosion primer.

Basic Parameters:

- Color: Aluminum-Iron
- Coating Film: Matte
- Volume Solids Content: 90%
- Density: 1.65g/ml (after mixing)
- Mixing Ratio: Part A: Part B = 25:3
- Wet Film Thickness: 333μm
- Dry Film Thickness: 300μm
- Theoretical Coverage: 3.0㎡/L, 1.8㎡/kg

(based on dry film thickness of 300μm)

- Actual Coverage: 1.6㎡/L, 1.0㎡/kg
- Flash Point: 35℃
- Surface Dry: 1 hour
- Fully Dry: 24 hours

Application Methods:

- High-pressure airless spray, roller coating, brush coating

Pot Life:

- 4 hours (25℃)

Thinner:

- Epoxy Thinner X-7

Recoating Interval:

- 24 hours

Compatible Undercoats:

- Epoxy coatings, epoxy intermediate coatings, and polyurethane topcoats

Surface Preparation:

- Steel surfaces must be thoroughly cleaned of oil;
- For oxidized surfaces: Sandblast to Sa2.5 grade;
- For non-oxidized surfaces: Use flexible grinding wheels to polish to St3 grade

Packaging:

- Part A: 25kg/can
- Part B: 3kg/can

Disclaimer:

The information and technical parameters provided in this specification are based on our laboratory results and practical experience. However, since the use of the paint is often beyond our control, the user must determine the suitability and correctness of the product for a particular application. Our company reserves the right to continuously improve and refine the product