

Series 9200

Zinc-Rich Epoxy Powder Coating

General Description:

Zinc-Rich Epoxy Paint works on the principle of cathodic protection and has a high content of metallic zinc. The product is intended to be used on steel as a primer for systems requiring a high corrosion resistance.

Typical Use:

Fences, metal structures, railings, lighting posts, machine parts, garden furniture, gates, agricultural equipment, pipe system fittings, constructions and bridges.

Specifications:

Properties	Test Method	Value
Specific Gravity	ASTM D5965	2.45 ±0.3 gr/cc
Gloss (60)	ASTM D523	50
Impact	ASTM D2794	80 Inch.-Lb.
Flexibility	ASTM D522	180°, 3 mm
Adhesion	ISO 2409	100%, GT=0
Salt Spray	ASTM B117	> 3,000 Hours

Preparation of Surface:

1. Sandblast / steel grain cleaning (Grit) – degree SA 2.5 (Rmax=30-40 microns); or
2. Remove any oil, dirt and then apply iron phosphate.

Application:

Painting process –

First Coat - Zinc-Rich Epoxy coating of the 9200 Series at a film thickness of 60 microns.

This coat should be partially cured in order to allow better adhesion between the primer and the top coat. Cure at Metal Temperature of 392°Fahrenheit (200°C) for 5 minutes or Cure at around 300°F for 10 minutes.

Second Coat - Pure Polyester 7000 series or Polyester Crystal 7100 or Polyester Super Dur at a film thickness of 70 - 80 microns.

Storage:

Powder coatings tend to absorb moisture, and therefore it must be stored in sealed containers after use. They must also be kept away from sources of heat and direct sunlight. The powder's shelf life expectancy is 12 months, at a temperature of 25°C (77°F), at a relative humidity below 60%.

Precautionary Measures:

It is recommended that the areas surrounding the site where coating takes place be properly ventilated. The powder's particles cause irritation of the respiratory tract; the inhalation of the powder must therefore be avoided. In case of contact with the skin, wash with water and soap. In case of contact with the eyes, wash with water immediately and seek medical help. A mask, gloves and protective glasses must be worn while working with powdered paint. All equipment must be grounded in order to avoid the build-up of static electric current.

General notes:

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