

ZINC PHOSPHATE PRIMER

11006412

DESCRIPTION:

High-quality alkyd primer, resistant to corrosion, containing zinc phosphate pigments that prevent rust when exposed to weather conditions.

CHARACTERISTICS:

- Very good corrosion resistance
- Excellent adhesion strength.
- Good resistance to weather conditions.
- Free of lead and chrome dyes.

RECOMMENDED USE:

It is widely used as a basis in external and internal applications in industrial facilities, on ironwork such as warehouses, metal structures, doors and fire extinguishing systems.

PHYSICAL CONSTANTS:

- Appearance: matte.
- Color: Produced in white, gray, and red, according to the approved colors.
- Solid size: 56% ASTM D2697
- Viscosity: 115 Krebs Unit at 35 °C, ASTM D562
- Specific gravity: 1.45, ASTM D1475
- Dry layer thickness: 50 microns.
- Theoretical diffusion rate: 11.2 m²/liter at dry layer thickness: 50 microns.
- Value (volatile organic substances): 395 g/l

DRYING TIME:

- Dry time:
 - It depends directly on the air in the ocean, temperature, layer thickness and number of layers, and thus drought times will be directly affected by these factors.
 - Surface temperature 25°C / 77°F
 - Ambient relative humidity 50%
 - Dry to the touch for 30 minutes.
 - Hard dryness for 3 hours.
 - Repainting period, minimum 4 hours.
 - Repainting period, maximum* -----
 - Complete dryness for 24 hours
 - Note: All previous results shown in the table are based on measurements of a standard thickness, well-ventilated applied strip for a single-coat paint system.
- The surface must be dry, clean, and free of contaminants in order to apply it. The best time to paint this product is before the initial layer has completely hardened. If the initial layer has hardened, it is recommended to renew it.

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Application method:

Air spraying:

- Dilution percentage (by volume): (0-5)%
- Nozzle opening: (0.023-0.031) inches
- Pressure at the nozzle: 15 MPa (2100 Psi).
- Spray angle: 40-80o

Pneumatic spraying:

- Dilution percentage (by volume): (10-15)%
- Nozzle opening: (1.5 – 1.8) mm
- Pressure at nozzle: (29-5.43 psi)
- Spray angle: 50 - 80o

Brush:

- Dilution percentage (by volume): (0-5)%

THINNER:

Time Thinner 504

THINNING RATIO:

- (25 - 35)% by volume for Spray Gun applications.
- (15 – 25)% by volume for Roller & Brush applications.

Depends on the weather conditions at work place.

APPLICATION GUIDE:

- Primer: Time Zinc Phosphate Primer.
- Final layers: Paint with all types of alkyd-based paints. For others, consult the technical support department. The desired shape is designed within 5-10 minutes using the recommended tools to complete the desired design, taking into account the surrounding conditions

PACKING:

- 1 US Gallon.
- 18 Ltr. Drum.

SHELF LIFE:

In sealed container: 12 months in dry, cool and well ventilated place.

SPECIAL INSTRUCTIONS:

1. Paint should be stirred carefully before use.
2. A suitable quantity of Water can be added to get reasonable viscosity for application.
3. Do not apply on wet and moistened surfaces until get completely dry.
4. Do not apply the next coat unless the previous one is fully dry, minimum recoating interval time should be given between the two coats.
5. Should be used in well-ventilated place and far from children reach.
6. Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 70%.

SAFETY PRECAUTIONS:

Please read and follow the health and safety instructions on the packaging as well as the warning instructions in the MSDS for this product

- The product must be handled with caution before and during application
- Contact of the paint with eyes and skin or inhalation of its spray and vapors must be avoided during application
- It is recommended to use the product in well-ventilated places or use artificial ventilation
- The product must be kept out of the reach of children
- Please hand over leftover paint and surplus containers to any approved local entity for the purpose of use or recycling for the sake of environmental safety.

Note: Waste and empty containers are disposed of in accordance with local regulations specified in the Pollution Control and Environmental Protection Laws.