

TECHNICAL DATASHEET

METAL PRIMER Zinc Phosphate

PRODUCT DESCRIPTION

Zinc Phosphate primer is a high performance primer for all metallic surfaces. It increases corrosion control and promotes topcoat adhesion and helps preventing chipping, cracking and peeling.

PRODUCT BENEFITS

- 1- Inhibits rust and corrosion
- 2- High resistance to salt spray, UV emissions and weather conditions
- 3- Bonds directly to most metal surfaces
- 4- Good leveling and coverage
- 5- Fast drying
- 6- Excellent compatibility with a wide range of topcoats

RECOMMENDED USES

It is recommended for steel structures and surfaces exposed to corrosive environments. It is also recommended for overcoating of zinc primed steel and for applications on light metal alloy surfaces. It is used for only air-drying applications. It can be overcoated with Alkyd based paints. It is suitable for interior and exterior use in alkyd systems.

SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.

- 1- Alkaline and acid surfaces should be cleaned and neutralized.
- 2- Deteriorated previous coatings, weak and blistered paints or chalky substances should be removed by scrapers, paint removers or flame spraying.
- 3- Non-disintegrated paints or glossy surfaces of previous coatings should be roughened slightly with sand paper to ensure good undercoat adhesion.
- 4- Corroded and/or damaged areas should be blast cleaned.
- 5- Other surfaces: For aluminum substrates, thorough washing and sweeping with a nonmetallic blast medium is required.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State Viscous Liquid
Appearance Flat Finish
Color Range cf. catalogue

Temperature 25°C
Relative Humidity 50%

Specific Gravity, ISO 2811	1.2-1.4 g/cm ³
Viscosity, ISO 2884	25- 30 poises
Drying Time, ASTM D5894	2-3 hours
Wet Film Thickness, ISO 2808	100 µm
Dry film Thickness, ISO 2808	60 µm
Recoat Time	4-6hours
Coverage	35- 45 s.q.m. per gallon
Sag Resistance, ASTM D3730	Excellent
Leveling, ASTM D2801	Excellent
Scratching Resistance, ASTM D3003	Excellent

Chemical Properties

Solids by Weight	75 ± 2%
Solids by Volume	60 ± 2 %

APPLYING

Spray Use airless spray or conventional spray

Brush Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller May be used for small areas but not recommended for first primer coat.

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20L

STORAGE

1 year under normal storage conditions from the issue date.
Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.
All details about working with our products should be adapted to prevailing local conditions and materials used.