

Omega Metal Primer No. 80

Zinc Phosphate Anti-Corrosive Alkyd Primer

DESCRIPTION

Omega Metal Primer is a high-performance, solvent-borne, zinc phosphate pigmented alkyd primer designed to provide active corrosion inhibition for ferrous metal substrates. The formulation incorporates zinc phosphate as a non-toxic anti-corrosive pigment, offering superior rust protection compared to conventional red oxide primers. It provides excellent adhesion to properly prepared steel and forms a durable base coat compatible with a wide range of alkyd and enamel topcoats. Suitable for atmospheric exposure in mild to moderate industrial and marine environments.

RECOMMENDED USES

- Structural steel
- Mild steel and iron components
- Industrial fabrication
- Metal doors, frames, gates, and railings
- Machinery and equipment
- Steel tanks and pipelines (external surfaces)
- Maintenance and new construction projects

KEY FEATURES & BENEFITS

- Zinc phosphate corrosion inhibition technology
- Excellent adhesion to steel substrates
- Good barrier protection properties
- Fast drying characteristics
- Good sanding properties
- Compatible with alkyd-based finishing systems
- Suitable for maintenance and general industrial use
- Lead- and chromate-free formulation

For interior and exterior applications.

TECHNICAL DATA

Finish	Matte		
Resin type	Medium Oil Alkyd Resin		
Anti-Corrosive Pigment	Zinc Phosphate		
Thinner	White Spirit		
Appearance	Grey / Black / Red / Yellow / Off-White (Very Light Grey)		
Total Solid, by Weight	56% ±1%		ASTM D2369
Total Solids, by Volume	48% ±1%		ISO 3233
Density	1.25 - 1.35 kg/l (depending on color)		ASTM D1475
Viscosity	90 - 100 Ku @ 25°C		ASTM D562-10
Packaging	Gallon	3.8 liter	
	Quart	0.9 liter	
Coverage	Gallon: 30 - 40 m ² per 1 coat		Actual coverage will depend on surface profile, application method, and losses.
Dry Times 25°C and 50% Relative Humidity	Touch	1 - 2 hours @ 25°C	Varies significantly with temperature, humidity, and airflow
	Recoat	8 - 12 hours @ 25°C	
Storage	5°C – 35°C. Protect from freezing.		
Safety Information	For additional information, see MSDS		

SURFACE PREPARATION

Proper surface preparation is essential for optimum performance.

Remove all surface rust, loose and flaking / peeling paint, and sand back coating edges. Ensure surface is clean, dry and free from dust, grease, oil and all other surface contamination. Apply Omega Rust Converter to rusted surfaces. Prepare and coat section by section to achieve best results Surface is to be coated immediately after preparation.

- Remove oil and grease in accordance with SSPC-SP1.
- Remove rust, mill scale, and contaminants by mechanical cleaning (minimum SSPC-SP2 or SP3).
- For industrial applications, abrasive blast cleaning to Sa 2½ (ISO 8501-1) is recommended.
- Surface must be clean, dry, and free of dust prior to application.

APPLICATION

Paint should be stirred thoroughly to a smooth consistency immediately before use, you may use brush, roller or spray for application. Thin only with small amount of clean White Spirit and do not apply when air or surface temperature below 5°C.

THINNING

With white spirit 5–10% for brush or roller application and up to 15% for spray.

OVER COATING

Suitable topcoats include:

- Alkyd Enamel
- Synthetic Enamel
- Oil-based finishing systems

Ensure primer is fully dry before application of finishing coat.

PRECAUTIONS

- Do not apply when ambient temperature is less than 10°C or if the temperature might drop to this level within 4 hrs of application.
- Do not apply during wet weather.
- Do not overthin or overextend the brush.
- Stir thoroughly before use.

SHELF LIFE

Omega Metal Primer No. 80 can be utilized within 24 months of production date if stored in proper conditions in unopened original packing.

HEALTH AND SAFETY

CAUTION: Keep from freezing. Avoid prolonged contact with skin or breathing spray mist. Do not take internally. Close container after each use. Use with adequate ventilation. IMPORTANT: Spray equipment must be operated in strict accordance with manufacturer's instructions. When spray applying, wear spray mask, eye protection and protective clothing. FIRST AID: In case of skin contact, wipe area clean with cloth and wash thoroughly with soap and water; for eyes, flush with water for 15 minutes and get medical attention. If swallowed, get medical attention immediately. KEEP OUT OF REACH OF CHILDREN