

MIROPRIME ZP 6940 Zinc Phosphate Primer

MIROPRIME ZP 6940 Zinc Phosphate Primer is a fast drying, single pack, high build, high solids pigmented Zinc Phosphate Primer for exterior and interior metal surfaces. MIROPRIME ZP 6940 is an anti-corrosive shop / field primer designed for light industrial and commercial environments. Coupled with excellent drying properties and a smooth surface, it is an ideal base to be top coated with MIROLON AK 6960 Gloss Enamel or MIROLON AK 6980 High Gloss Enamel.

Product Advantages

- High build coating provides a protective film for limited exterior exposure.
- Single pack, no pot life issues to manage
- Superior coverage provides the best possible coverage with minimal coats applied
- Fast drying, faster handling and shipping

Typical Applications

Interior and exterior use. Ideal for metal door frames & doors, skip bins, shipping containers, trailers and metal cabinets.

Product Properties

Build:	Excellent
Sandability:	Fair
Vertical Hold Up:	Very Good
Solvent Resistance:	Resists splash and spillage of mineral turps but has poor resistant to industrial solvents
Water Resistance:	Good
Levelling & Flow:	Excellent
Sink Back:	Minimal

Typical Properties

Colour:	Grey, Blue, Red Oxide & White (MTO)
Gloss:	Matt

Coverage: 6 m² per litre at 150 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

Thinning: Thin 30-40% with MIROSOL 1286 (fast) 1230 (slow).

Application Viscosity: 20-30 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 125-150 microns per coat.

Application Methods:

Suction Gun:	Use 1.5 to 2mm (59-79 thou) orifice with 350-400kpa (50-55 psi).
Pressure Pot:	Use 1.5 to 2mm (59-79 thou) orifice with pressure pot air-cap. Gun pressure 350-

Airless Spray: 400kpa (50-55 psi) and a pot pressure of 45kpa (6 psi) max.
Use 0.23 to 0.33mm (9-13 thou) orifice, 15cm fan (dependent on job) with regulated pump pressure of 350-400kpa (50-55 psi).
Air Mix Guns: Settings similar to airless spray with the air-assisted regulator pressure at 70-90kpa (10-15psi).
Curtain Coater: 40-60 seconds viscosity with applied wet film thickness of 150 microns.

Drying: Dust Free: 10 minutes
Touch Dry: 20 minutes
Sanding: 4 hours
Topcoat: after 2 to 3 hours
Block Stacking (Handling/Transport): 24 hours' dependent on WFT and temperature

Low temperatures and heavy film thickness will retard drying times.

Metal Surface Preparation: Remove all contaminants by washing the surface with MIROSOL 1231 Wax & Grease Remover. Ensure all corrosive products, soluble salts, rust, mill scale, loose or flaky paint is removed prior to coating. Linishing or abrasive blast cleaning may be required.

Note: At the time of application, the surface should have a surface temperature of between 18 to 25°C to reduce the risk of loss of adhesion due to condensation.

Aluminium, Galvanised steel and Zincalume

Thoroughly clean the surface with MIROSOL 1231 Wax and Grease remover. Apply one light coat of MIROKEY VY 6615 to provide surface adhesion for MIROPRIME ZP 6940 primer, or one of the recommended Mirotone topcoat.

Note: Apply MIROPRIME ZP 6940 over the MIROKEY VY 6615 when higher build sanding primer is required. Allow to dry and apply the recommended Mirotone metal topcoats.

Recommended Metal topcoats: MIROLON AK 6960 Gloss Enamel. MIROLON AK 6980 High Gloss Enamel.

Note: If using a product other than the recommended Mirotone topcoat, it is up to the user to test the product prior to top coating to ensure compatibility. Some coatings may contain ingredients that reduce the adhesion of the full coating system including the primer.

Application Equipment Clean Up: Clean all equipment using MIROSOL 1222 or 1286 Thinner

Shelf Life: 24 months

Packaging: 20 L

Health & Safety

Before handling, refer to the Material Safety Data Sheet for health and safety information. Ensure that all personnel using this product have read and understood this data sheet and the associated SDS and packaging label before using this product.

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