



Oil-Zinc Chromate™ MM-97

Int/Ext Corrosion Resistant Metal Primer

Description:

Oil-Zinc Chromate™ is an alkyd resin and modified polyurethane yellow metal primer. This high-build corrosion resistant primer contains anti-corrosive pigments of zinc chromate of premium quality to be used directly on metal surfaces; and perform a better protection against rust and adheres tightly to clean metal.

Product Advantages:

- Excellent surface anchoring
- Excellent protection against corrosion
- With anticorrosive zinc pigments
- For direct metal use
- Does not contain lead
- Resistant to abrasion and impact
- Ready to spray
- Good coverage
- Resistant to fungus

Uses:

Oil-Zinc Chromate™ To protect metal surfaces of iron, steel against corrosion, moisture, sunlight, smoke and mild acid and industrial vapors. It is an excellent base for finishing with alkyd, epoxy and latex paints, ideal for use in any industrial, commercial or residential area.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants. Remove all dirt, grease, chalk, mildew, oil, rust, concrete curing agents, dust, and other soluble contaminants from steel surfaces by washing with solvent, vapor, cleaning compound or other method. Remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by hand chipping, scraping, sanding, and wire brushing or by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling.

Technical Data:

Product Type:	Alkyd Resin
Finish:	Flat (4° - 8°) *Geometry 60°
Solids (%):	70 ± 2% by weight 48 ± 2% by volume
Weight/Gallon:	11.6 ± 0.05 lbs. (5.26 ± 0.02 kg.)
Colors:	Yellow
Drying Time:	To touch: 30 - 60 min. To recoat: 8 - 12 hrs.
Coverage:	Theoretical: Up to 760 ft. ² by gallon@ 1 mils Recommended: 400-430 ft. ² /gal. (37-40 m ² /gal.) @ 1.9 dry mils, 4 wet mils
Sizes:	5 gallons 1 gallon
Thinning:	Is not recommended.
Viscosity:	80 - 85 KU's
Percent Pigment by Weight:	52 ± 2%

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

S.D.S.: Available upon request.

Recommended Paint Systems:

Iron and steel surfaces:

Surface preparation: SSPC-SP1/ SP2 / SP3
Primer, apply 1 coat: Oil-Zinc Chromate™
400-430 ft.²/gal. (40 m²/gal.)
@1.9 dry mils, 4 wet mils

Apply two coats if additional thickness is required.

Previously painted surface:

Surface preparation: SSPC-SP2 / SP3
Primer, apply 1 coat: Oil-Zinc Chromate™
400-430 ft.²/gal. (40 m²/gal.)
@1.9 dry mils, 4 wet mils

Apply two coats if additional thickness is required.

Surface Application Recommendations:

Previously painted surfaces: Clean surface of all loose, peeling paint and foreign material; spot prime bare metal areas. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3). Glossy or smooth surfaces should be sanded. If poor adhesion of existing coatings is noted or coating is loosed by blistering, rupture or scratching, additional abrasion or removal methods may be necessary to provide a clean and sound surface.

New iron and steel metals: Clean surface of all loose rust, grease, oil, and foreign material; spot prime bare metal. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3).

Surface Preparation Standards:

SSPC-SP1 Solvent cleaning: Removal of all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants from steel surfaces with solvent Lanco® Lacquer Thinner LT-102, vapor cleaning, alkali, emulsifying agent, or steam.

SSPC-SP2 Hand tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose foreign matter by hand chipping, scraping, sanding, and wire brushing.

SSPC-SP3 Power tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling.

SSPC-SP6 / NACE 3 Commercial blast cleaning: Commercial blast cleaning is a method of preparing metal surfaces for coating by the use of abrasives propelled through nozzles or by centrifugal wheels. It requires the removal of all visible scale, rust and other surface contaminants. Generally evenly dispersed very light shadows, streaks and discoloration caused by stains of rust, stains of mill scale and stain of previously applied paint may remain on no more than 33% of the surface. Slight residues of rust and paint may also be left in the craters or pits if the original surface is pitted.

SSPC-SP7 Brush-off blast cleaning: When viewed without magnification, the surface shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose coating. Tightly adherent mill scale, rust, and coating may remain on the surface. Mill scale, rust, and coating are considered tightly adherent if they cannot be removed by lifting with a dull putty knife.

Method of Application:

Stir thoroughly before using. Do not apply when surface or air temperature is below 50 °F or if rain is expected within 5 hours. Apply product with brush, roller or sprayer. Apply generously with a full brush or roller and avoid excessive brushing or spreading too thinly. Typical standard practice recommends intermixing when working with more than one container of the same color, to ensure color consistency.

Mixing and thinning: Mix always thoroughly before application. Thinning is not recommended, if necessary use only 8oz. of Lanco® Mineral Spirits MS-107 per gallon.

Brush: Use a 3/8" solvent resistant PA-1982 or polyester brush PA-1999.

Roller: Use a Lanco® All-Purpose 1/4" or 3/8" Enamel Roller PA-565 or PA-566. Apply generously, but avoid excessive brushing or reworking of painted areas, do not apply or spread too thinly.

Airless spray: Minimum of 28:1 ratio pump, with a 0.013"- 0.015" tip, 1/4" ID Teflon material hose. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Precaution: Do not apply when air or surface temperature is below 50 °F (10 °C). Apply liberally, but do not overspread. Stop painting at least two hours before you expect dew to form or the temperature to fall below 50 °F (10 °C).

Important: It is important that you apply one coat of primer and two full coats of paint to achieve the warranty protection.

Limited warranty: The manufacturers liability in connection with the sale of this product extends only to the replacement price if it should fail to comply with quality standards or specifications.

Safety precautions: Refer to S.D.S. sheet before use.

Warning!: If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Wear a NIOSH-approved respirator to control lead exposure. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. For chemical emergency call ChemTrec 1-800-424-9300. Protect from freezing.

