



## POLYURETHANE OIL RED OXIDE PRIMER MM-100

### HIGH PERFORMANCE INDUSTRIAL PRIMER (Meets Federal Specification TT-P-636 D)

**DESCRIPTION:** A premium quality high-build and fast-drying corrosion resistant metal primer containing rust inhibitive pigments for exterior or interior applications that adheres tightly to clean metal and top coats and is widely used as production primer and shop coat. Lead-free; may be applied by brush or spray.

**BASIC USES:** To protect metal surfaces such as window frames and casings, railings, fences, machinery and equipment in industrial, institutional, residential and farm applications. For use on iron and steel surfaces to protect against wind, rain, sunlight, high humidity, and mild acidic industrial fumes or splash. Excellent primer coat for alkyd, oil, epoxy ester or latex type finishes; also ideal on well cleaned structural steel, metal trim, pipes, sashes, etc.

**ADVANTAGES:**

* Corrosion resistant	* Fast drying
* High build	* Durable
* Ready to spray	* Rust inhibitive

#### TECHNICAL DATA

<b>Solids:</b>	65.12 ± 1% by weight 43.48 ± 1% by volume	<b>Finish:</b>	Flat (2°-5°)* *Geometry 60°
<b>Weight / Gallon:</b>	10.79 ± 0.5 lbs.	<b>Viscosity:</b>	68-78 Ku's
<b>Color:</b>	Red oxide	<b>Percent Pigment by Weight:</b>	46.11 ± 1%
<b>Flash Point:</b>	130°F TOC	<b>Drying Time:</b>	To touch: 30 mins. To reapply: 8 hrs. To cure: 24 hrs.
<b>Theoretical Coverage:</b>	Up to 700 sq./ft. per gallon @ 1 mil	<b>Sizes:</b>	55 gallons 5 gallons 1 gallon 1 quart
<b>Recommended Coverage:</b>	465 sq./ft. @ 1.5 dry mils, 3.5 wet mils		
<b>Thinning:</b>	Not normally recommended, but if necessary, add LANCO® Mineral Spirits MS-107.		

**Surface Preparation:** Surfaces must be dry, clean and free of all contaminants. Remove all oil, grease, (by solvent cleaning SSPC-SP 1-63) loose rust, mill scale and all other foreign materials. Minimum preparation is hand tool cleaning (SSPC-SP 2-63) or power tool cleaning (SSPC-SP 3-63). Apply LANCO® Metal Master Red Oxide Primer™ MM-100 the same day as cleaned.

**New Surfaces:** Remove oil and dirt by solvent cleaning SSPC-SP 1-63 with LANCO® Lacquer Thinner LT-102 and prime the entire area.

**Previously Painted Metals:** Clean surface of all loose, peeling paint and foreign material; spot prime bare metal. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP 2-63) or power tool clean (SSPC-SP 3-63).

**Methods of Application:**

**BRUSH:** Use a good quality nylon or polyester brush.

**ROLLER:** Use a LANCO® All-Purpose 3/8" Nap Roller PA-566.

**CONVENTIONAL SPRAY:** For suction feed, use a DeVilbiss MBC gun with an "E" tip and needle and 30 air cap or equivalent, at 40-45 psi atomizing pressure. For pressure feed,

use a DeVilbiss MBC gun with an "E" tip and needle and 704 air cap or equivalent at 40-45 psi and 5-8 fluid pressure, 3/8" ID material hose, double-regulated pressure tank with oil and moisture separator.

**AIRLESS SPRAY:** Minimum of 28:1 ratio pump, with a .013"-.015" tip, 1/4" ID Teflon material hose.

**Mixing:** Always mix thoroughly with a power agitator before application or by boxing and stirring.

**Cleanup:** Clean all equipment immediately after use with LANCO® Mineral Spirits MS-107. Completely flush all spray equipment with this solution.

**Caution:** Do not take internally. Close container after each use. Keep out of reach of children. Use only with adequate ventilation.

**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.

**M.S.D.S.:** Available upon request.