



Product Data Sheet

PRIMER 36 GRAY METAL PRIMER – PRO036 PRIMER 37 RED METAL PRIMER – PRO037

Product Description

This is an economical, quick-drying, modified-alkyd primer. It is a high-build primer for protection of various steel substrates and is designed for use under a variety of products, i.e. alkyds, acrylic-alkyds, and urethanes.

Where to Use

Typical uses include original equipment, machinery, structural steel, and production-line and field-applied applications.

Product Characteristics

Color Gray or Red Oxide

Gloss Low Gloss

Architectural and Industrial Maintenance Category Quick Dry Primers

Drying Time

Temperature	To Touch	To Recoat
75 °F / 55% RH	20 Minutes	40 Minutes

(Cooler temperatures and higher humidity will lengthen drying time)

Preparation & Priming

Surface Preparation The substrate should be degreased in accordance with SSPC-SP1. For maximum performance, the substrate should be blasted in accordance with SSPC-SP6. All burrs should be removed, and sharp edges or rough weld seams should be ground down. Where weathered steel is present and where substrate has reached rust grade, the appropriate chemical cleaning or blasting will be necessary.

Finish Coats Typical topcoats include alkyds, acrylic-alkyds, and urethanes. Each service environment may require a specific coating system or combination of Anchor products. Consult your Anchor representative for specific job recommendations.

Mixing & Application

Mixing Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning This product is ready-to-spray. May be thinned with mineral spirits up to 15% when permitted by federal, state and local regulations.

Surface Temperature Minimum 40 °F, Maximum 110 °F

Recommended Thickness Apply 1.6-2.0 mils minimum dry film thickness.

Theoretical Coverage 830 ft²/gal @ 1 mil dry, assuming no application losses. Actual coverage will vary depending on application technique and porosity of the substrate.

Coverage Rate	Dry Mils	Wet Mils	Ft ² /Gal
<u>Suggested</u>	1.8	3.5	461
<u>Minimum</u>	1.6	3.1	519
<u>Maximum</u>	2.0	3.8	415

Application Equipment Airless Spray Pressure 1200 - 2200 psi
Tip 0.015" - 0.017"

Conventional Spray Air Pressure 60 - 80 psi
Fluid Pressure 12 - 20 psi

Roller ¼" to ¾" Nap – Shed Resistant roller cover.
Brush Use high quality natural china bristle brushes.

Application Considerations This material dries very fast. Start with a .015" tip orifice and pressures that allow for wet coat without dusting or blow-out. Adjust tip and pressure settings as necessary. Where air quality regulations allow, thin only if necessary up to 15% or until material atomizes at the tip. Apply in wet coats to avoid dusting. When

spraying, use a crosshatch method, overlapping each pass 50%. Clean spray system thoroughly before and after each use. On a de-rusted surface, the application of a dry film of at least 2.0 mils is recommended.

Technical Information

<u>Solids by Volume</u>	PR0036: 52.27%	PR0037: 51.74%
<u>Coating VOC</u>	PR0036: 3.18 lb/gal (381 g/l)	PR0037: 3.22 lb/gal (386 g/l) (Minus exempt solvents and water.)
<u>Material VOC</u>	PR0036: 3.18 lb/gal (381 g/l)	PR0037: 3.22 lb/gal (386 g/l)
<u>Density</u>	PR0036: 12.38 lb/gal (1,484 g/l)	PR0037: 12.39 lb/gal (1,485 g/l)
<u>Packaging</u>	5-gallon pails	

Clean-up & Storage

<u>Cleanup</u>	Use Anchor J1112 or T0011M.	
<u>Storage Temperature</u>	Minimum 20 °F	Maximum 110 °F
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years	

Safety & Important Information

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. CONTAINS: MINERAL SPIRITS AND PETROLEUM DISTILLATES. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, eye, skin and throat irritation. **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Vapors may ignite explosively. Keep away from heat, sparks and flame. Vapors may cause flash fire. Close container after each use. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. 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. **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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LIMITED WARRANTY: The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser's cost of the product itself.