



# Product Data Sheet

## PRIMER 01 BLACK METAL PRIMER – PR0001

### Product Description

This is a versatile, 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 Black
- Gloss Low Gloss
- Architectural and Industrial Maintenance Category Quick Dry Primers
- Drying Time

Wet Film Thickness	Temperature	Dry To Touch	To Recoat
3 mil	75 °F / 55% RH	20 Minutes	40 Minutes
6 mil	75 °F / 55% RH	35 Minutes	90 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 just prior to application.
- 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 - The surface should be dry and the relative humidity should be no greater than 85%.

Recommended Thickness Apply 1.6-2.0 mils dry film thickness per coat.

Theoretical Coverage 840 ft<sup>2</sup>/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 <sup>2</sup> /Gal
<u>Suggested</u>	1.8	3.5	467
<u>Minimum</u>	1.6	3.1	525
<u>Maximum</u>	2.0	3.8	420

- Application Equipment
  - Airless Spray Pressure 1200 - 2200 psi  
Tip 0.013" - 0.015"
  - 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 0.015" tip orifice and pressures that allow for wet coat without dusting or blow-out. Adjust tip and pressure settings, as necessary. 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 derusted surface, the application of a dry film of at least 2.0 mils is recommended. Do not apply when the temperature is within 5°F of the dew point.

## Technical Information

<u>Solids by Volume</u>	PR0036: 50.64%
<u>Coating VOC</u>	PR0036: 3.19 lb/gal (382 g/l)
<u>Material VOC</u>	PR0036: 3.19 lb/gal (382 g/l)
<u>Density</u>	PR0036: 11.83 lb/gal (1,417 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: tert-BUTYL ACETATE and DIMETHYL CARBONATE. 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](http://www.epa.gov/lead). **WARNING!** Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

Version: 09/2022

**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.