



Coatings Excellence Since 1899

PRODUCT DATA SHEET

Zinc Metal Primer

Product Code: 133701

DESCRIPTION

Zinc Metal Primer is a zinc alkyd primer formulated to provide excellent corrosion resistance to metal substrates such as structural steel. It is our primer with the best resistance to severe environmental conditions.

Sampson 133701 is a two part formulation. Part A must be mixed with part B (see label for instructions) prior to application.

FEATURES

- Excellent Corrosion Resistance
- Excellent Film Barrier Properties

INTIMATE CONTACT

The primer must maintain intimate contact with the clean metal so that it will provide the metal with cathodic protection.

NOT FOR THIN METAL

The primer is intended for structural steel or thick metal plates. It is not intended for thin gauge metal sheets.

ABRASION BLAST PROFILE

All surfaces must be abrasion blasted to a white or near white metal finish. The recommended blast profile is 1.5 - 2.0 mils.

COMPLETE DISPERSION

The zinc dust particles must be completely dispersed in order to provide the cathodic protection. Appropriate mixing equipment must be used and the zinc dust must be added with a step-wise addition procedure.

PHYSICAL PROPERTIES

Vehicle Type:	Oil Alkyd
Flash Point:	105 °F
Weight Solids:	88 - 92 %
Volume Solids:	72 - 76 %
Weight Per Gallon:	16.0 - 16.4 lbs/gal
English VOC:	< 1.7 lbs/gal
Metric VOC:	< 200 g/l
Dry Film Thickness:	1,190 sq ft (1 mil dry film)
Application Method:	Spray, brush, roll
Reduction Solvent:	022008 Mineral Spirits
Clean Up Solvent:	022008 Mineral Spirits

HVLP NOT SUITABLE

HVLP guns are not suitable. Airless or Air-assisted Airless guns are preferred because of the higher fluid pressure generated by the hydraulic pumps.

FREQUENT ORIFICE REPLACEMENT

Gun orifices wear out very quickly when zinc-rich primers are used. A supply of replacement spray gun tips must be kept readily available to insure that all work can be completed with good spray gun tips.

4/30/2009 - This document supercedes all previous product data sheets.

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SAFETY:

Before starting any of the following procedures, be sure you have and use Personal and Environmental Protective Equipment for all hazards involved. Please read the Material Safety Data Sheet information before using this product.

ADVISORY:

The National Paint and Coatings Association (NPCA) has determined that 80% of all paint and coatings failures can be directly related to improper or inadequate surface preparation.

National Paint and Coatings Association, www.paint.org

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR;

WARNING!

**VAPOR HARMFUL!
HARMFUL OR FATAL IF SWALLOWED;**

PRECAUTIONS:

Dry times for this product are based on laboratory tests at 77 °F and 50% relative humidity. Low temperature, high humidity, heavy application and excessive film build will extend drying times.

WARNING:

Use only with adequate ventilation. Do not breathe vapors or spray mists. Ensure fresh air entry during application and drying. If sanding, applying by spray application, or you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor mist levels above applicable limits, wear an appropriate properly fitted respirator (NIOSH approved) during and after application. Follow manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

If you scrape, sand or remove old paint from any surface, you may release lead dust or other chemical dust hazards. 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 dust exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

National Institute for Occupational Safety and Health, www.cdc.gov/niosh/programs/
Mine Safety and Health Administration, www.msha.gov

FIRST AID:

If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. CALL PHYSICIAN IMMEDIATELY. In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water.

SPILL:

If spilled, contain spilled material and remove with inert absorbent.

DISPOSAL:

Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Always consult your Sampson Coatings Representative for Special Problem Applications.

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