

Simco Coatings Inc.

Manufacturer of Military Spec.,  
Corps of Engrs. Spec, Industrial, &  
Marine Coatings

## TECHNICAL DATA SHEET

### SSPC # 25 CORROSION INHIBITING ALKYD PRIMER OXIDE RED

**DESCRIPTION:** This product is a one component, lead & chromate free, VOC compliant, corrosion inhibiting alkyd primer based on anticorrosive pigments and synthetic iron oxide. It can be used as a shop primer, field primer, maintenance primer on structural steel substrates exposed to moderate corrosive environments.

**CONFORMANCE:** This product conforms to the specific composition and performance requirement of Steel Structures Painting Council (SSPC) Paint Specification No. 25.

#### TECHNICAL DATA

<b>GENERIC TYPE:</b>	Linseed Oil & Alkyd Resin Solution
<b>COLOR:</b>	Oxide Red
<b>FLASH POINT:</b>	105°F
<b>SHELF LIFE:</b>	One year
<b>WEIGHT PER GALLON:</b>	12.50 Lbs.
<b>VISCOCITY (KU) AT 77°F:</b>	86-90
<b>SAG RESISTANCE:</b>	8.0 Mils Wet Film Thickness
<b>RECOMMENDED DFT:</b>	2.0-2.5 Mils
<b>VOLUME SOLIDS:</b>	65 ± 1%
<b>VOLATILE ORGANIC COMPOUND (VOC):</b>	2.00 lbs./gal. or 245 g/l
<b>THEORETICAL COVERAGE:</b>	Approx. 500 sq. ft. / gal.@ 2.0/mils DFT.
<b>DRYING TIME, TACK FREE HOURS:</b>	10
<b>DRY THROUGH HOURS:</b>	24
<b>THINNER:</b>	Mineral Spirits

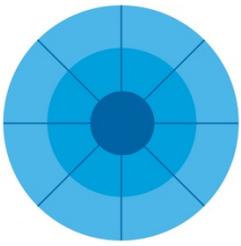
#### **SURFACE PREPARATIONS:**

All surfaces must be clean, dry and free from all loose, rust, scale, paint or oil. For best result abrasive blast SSPC-SP6.

#### **APPLICATION:**

Brush, roller, or spray

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**DIRECTIONS FOR USE:**

This Paint is intended for use as a primer over hand cleaned steel in atmospheric exposure. It will perform better if the steel is power tool cleaned, blast cleaned, or pickled. All rust scale, loose rust, loose mill scale, and loose or non-adherent paint shall be removed, oil and grease shall be removed to the fullest extent practical, as residues of oil and grease remaining on the surface will result in decreased paint performance.

Mix Paint thoroughly before use. If the pigment has settled, pour off most of the liquid. Thoroughly mix the pigment with the remaining liquid, taking care to scrape all the pigment off the bottom of the can. Gradually add the poured-off liquid and mix thoroughly. Mixing may be made easier by transferring contents to a larger container or by pouring the paint to and from another container. Examine bottom of container for unmixed pigment. Screen paint before applying.

Thin paint only if necessary, using only mineral spirits. For brush application under normal conditions, no thinning should be necessary. For spray application add up to one pint of thinner per gallon of paint when necessary.

Apply by brush or spray to the specified film thickness or, if none is specified, to at least 2 mils (50 Microns) dry or approximately 3 mils (75 microns) wet. The surface to be painted shall be dry; the surface temperature shall be at least 5°F (3°C) above the dew point; and the temperature of the air shall be over 40°F (4°C). Do not paint outdoors in rainy weather or if freezing temperatures are expected before the paint dries. Allow paint to dry for at least 24hours in good weather before recoating.

**SAFETY PRECAUTIONS:**

- (A) Use normal precautions such as gloves, facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and tools for workers in the area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in the work area.
- (F) Avoid breathing of vapor, contact with skin and eyes.

**NON-WARRANTY:**

The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc., assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.

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