



# TECHNICAL DATA SHEET

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MIL-DTL-11414F  
RED OXIDE PRIMER  
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**PRODUCT:** A fast dry, corrosion inhibiting, high solids alkyd primer.

**DESCRIPTION:** A high quality alkyd resin base red oxide primer for properly cleaned or pre-treated metals. Contains an extremely high solids content. This primer is lead and chromate free as well as low VOC. It is not intended for use on the inside of portable water tanks or for marine environmental use.

**PROPERTIES:**

Color.....Red Oxide  
Fineness of Grind.....5 Hegman Minimum  
Theoretical Coverage.....931 mil sq.ft./ gal  
Maximum VOC.....420 Grams/ Liter

**Drying Time (at 75°F):**

To Touch.....Within 5 Minutes  
Dry Through.....Within 12 Minutes  
Vehicle Type.....Modified Alkyd  
Total Solids .....Minimum 70% by weight  
Gloss (60°).....2 - 6%

**ADVANTAGES:**

- (1). Low V.O.C. (Volatile Organic Compound) Content
- (2). Excellent Corrosion Resistance
- (3). Fast Drying
- (4). Lead and Chromate Free

**USES:**

- (1). Steel
- (2). Machinery
- (3). Tanks
- (4). Bridges
- (5). Equipment



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## APPLICATION AND REDUCTION:

MIL-DTL-11415F Red Oxide is fast drying and is best applied by spray application. Brushing may be accomplished for small areas only.

For spraying, thin up to one pint per gallon of Xylene or MIL-T-81772B Ty. III thinner or as needed for proper atomization.

## SURFACE PREPARATION:

Surface must be clean, dry and free of all contamination before application of primer. Non-ferrous metals must be primed with metal pretreatment primer, MIL-C-8514C or DOD-P-153328D, before application of the MIL-DTL-11414F.

## STEEL:

Surface must be cleaned and free of all oil, grease and foreign material. Badly rusted or pitted steel should be cleaned by commercial sandblasting and primed the same day.

## PRECAUTIONS:

CONTENTS ARE FLAMMABLE!

KEEP OUT OF REACH OF CHILDREN.

DO NOT TAKE INTERNALLY.

USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPORS OR MIST!

AVOID CONTACT WITH SKIN AND EYES.

DO NOT USE IN TANK OR PIT WITHOUT PROPER PROTECTION!

READ MATERIAL SAFETY DATA SHEET BEFORE USING.