



SHERWIN WILLIAMS

# Product Finishes

## Water Reducible® Corrosion Resistant Primer

..... Color.....Red Oxide E61RC0517

### PRODUCT DESCRIPTION

**Water Reducible Corrosion Resistant Primer, Red Oxide, E61RC0517**, is designed for the general metals markets. It compliments the Kem Aqua® Gloss Enamel product line and is compatible with solvent and water base top coats.

#### **Advantages:**

1. Water reducible acrylic latex
2. Low odor – improves working conditions
3. Reduced fire hazards – possible lower insurance costs
4. Low VOC Less than 2.17 lbs./gal.
5. Use water for reduction and cleanup of spray equipment
6. Air dry or Force dry
7. Single component, no catalization
8. Provides corrosion resistance to the system
9. Free of lead and chromate hazards
10. Compatible topcoats include:
  - Kem Aqua® Gloss Enamel
  - Kem Aqua® 600T W/R Enamel
  - Polane® 700T W/R Enamel
  - Polane® Polyurethane Enamels

### CHARACTERISTICS

**60° Gloss:** 5 Units max. @1.1 mil DFT

**Weight/Gallon:** 10.54 lbs

**% Wt Solids:** 50.9 ± 2

**% Volume Solids:** 34.4 ± 2

**Viscosity:** 1100 – 1300cps  
Brookfield #4 Spindle @ 20rpm

**Recommended film thickness:**

Mils Wet	2.9 – 4.4
Mils Dry	1.1 – 1.5

**Spreading Rate** (no application loss):  
@ 1.0 mil dft: 552 ft<sup>2</sup>/gal

**pH:** 8.9 – 9.4

**Package Life:** 1 year unopened  
Store inside – Protect from freezing

**Drying (1.0 mils dft, 77°F, 50% RH):**

To Touch:	15 minutes
To Handle:	30 minutes
To Recoat:	30-45 minutes
Force Dry:	15-30 minutes
	@ 140-180°F

**Note:** Good air movement and humidity control are necessary for proper drying of water reducible coatings.

**Flash Point:** None -Seta Flash  
Closed Cup

**Air Quality Data:** Non-photochemically reactive. Volatile Organic Compounds (VOC) – As packaged (maximum)  
1.75 lbs/gal, 210 g/L.

### SPECIFICATIONS

#### **Product Limitations:**

1. Protect from freezing, store inside between 40-95°F
2. Spray a wet film for good film integrity
3. High humidity will slow drying
4. Excessive film thickness may cause mudcracking
5. To prevent foaming and air entrapment, do not shake or agitate violently
6. Keep container closed to prevent skinning
7. To ensure performance, minimum dry film thickness is 1.0 mils for optimum salt spray performance

### SPECIFICATIONS

**Surface Preparation:** Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties. Consult Metal Preparation Brochure CC-T1 for additional details.

**Aluminum:** Prime with Kem Aqua® Wash Primer, E61G522

**Galvanized Steel:** Apply direct.

**Steel or Iron:** Treatment may consist of a proprietary surface chemical treatment, such as Zinc or Iron Phosphate.

**Testing:** Due to the wide variety of substrates, surface preparation methods,

#### APPLICATION

Typical Setups

Do not over reduce. Water reducible coatings spray easier at high viscosity than solvent reducible products.

**Conventional Spray:**

Air Pressure.....45-55 psi  
Fluid Pressure.....10-15 psi  
Cap/Tip.....704/FF  
Reducer.....Water  
Reduction Rate.....up to10%

**Airless Spray:**

Pressure.....1500-2100 psi  
Tip.....411  
Reducer.....none needed

**Air Assisted Airless:**

Air Pressure.....30 psi  
Fluid Pressure.....1200-1800 psi  
Cap/Tip.....222608/411  
Reducer.....none needed

**HVLP: (DeVilbiss Maximum Performer)**

Atomizing Air Pressure at the Cap 7-10 psi  
Fluid Pressure.....10-15 psi  
Cap/Tip.....46MP/FF  
Reducer.....water  
Reduction.....up to 10%

**Clean Up:**

Use water when wet. If dried, clean with a 9:1 blend of water and ammonia. Clean spray gun cap with MIBK. After cleaning, flush equipment with solvent to prevent rusting. Follow manufacturer's safety recommendations when using any solvent.

and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin Williams facility. Please direct any questions or comments to your local Sherwin Williams facility.

**Notice:** Reports have associated repeated and prolonged over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Contains Ethylene Glycol Monobutyl Ether which may cause blood damage.

**DO NOT TAKE INTERNALLY**

**KEEP OUT OF THE REACH OF CHILDREN**

**FOR INDUSTRIAL USE ONLY**

**REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION**

**DANGER: HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. CAN BE ABSORBED THROUGH THE SKIN. MAY CAUSE BLOOD DAMAGE.**

**LABEL CAUTION - SEE CONTENTS STATEMENT ON LABEL**

**VAPOR HARMFUL.** Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable levels. Follow respirator manufacturer's direction for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**CAUTIONS (continued)**

**FIRST AID:**

**IF INHALED:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**IF ON SKIN:** Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse.

**IF IN EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**IF SWALLOWED:** Do not induce vomiting. Get medical attention immediately.

**SPILL AND WASTE:**

Remove all sources of ignition. Ventilate and remove with inert absorbent, incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State and Local regulations regarding pollution.

**Note:**

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties or guarantees as to the end results.

Columbus Regional Lab  
J. Small 11-7-2016

**CAUTIONS**

Thoroughly review product label for safety