



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-A12

Catalyzed Epoxy Primer

Red Oxide E61RC22
Catalyst V66TC1

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>Catalyzed Epoxy Primer is a two component epoxy primer system offering excellent adhesion and corrosion resistance. Its fast dry makes it ideal for production line application. It is especially suited for use under Polane® Polyurethane topcoats where superior corrosion resistance is needed.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Very fast drying • Excellent corrosion resistance • No "sweat-in" time required, can be applied immediately after mixing • Long working pot life • Free of lead hazards • Recommended primer under Polane Polyurethanes for best corrosion resistance on metal • Ideal primer for structural steel, farm and construction equipment, railroad equipment, machinery, transformers, and castings when topcoated with Polane Polyurethanes • Excellent chemical resistance • Ideal for application to untreated steel 	<p>Gloss: <30 units</p> <p>Volume Solids: 30.7 ± 1%, catalyzed & reduced</p> <p>Viscosity: 30-45 seconds #2 Zahn Cup catalyzed & reduced</p> <p>Recommended film thickness: Mils Wet 4.0 - 6.0 Mils Dry 1.2 - 1.8</p> <p>Spreading Rate (no application loss) 265-424 sq ft/gal @ 1.2-1.8 mils DFT</p> <p>Drying (1.5 mils dft, 77°F, 50% RH): To Touch: 20-30 minutes Tack Free: 1-2 hours To Recoat: 1-2 hours Force Dry: 20 minutes at 140°F</p> <p>Flash Point: 40°F Pinsky-Martens Closed Cup</p> <p>Mixing Ratio: 4 parts E61RC22 1 part V66TC1 2 parts R7K54</p> <p>Pot Life: 8 hours</p> <p>Package Life: 1 year, unopened</p> <p>Air Quality Data: Photochemically reactive Volatile Organic Compounds (VOC) Catalyzed and reduced for application: 5.6 lb/gal, 672 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p>General: 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.</p> <p>Aluminum: Prime with Industrial Wash Primer, P60G2 or Kem Aqua Wash Primer, E61G520.</p> <p>Galvanized Steel: Prime new galvanized with Industrial Wash Primer, P60G2 or Kem Aqua Wash Primer, E61G520. Aged, weathered galvanized can be painted directly.</p> <p>Steel or Iron: Remove rust, mill scale, and oxidation products. For best results, treat the surface with a proprietary surface chemical treatment of zinc or iron phosphate to improve corrosion protection.</p> <p>Blasted surfaces: Dry film thickness must be 1 mil greater than the depth of the profile for best corrosion resistance.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, and application methods and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>

APPLICATION

Typical Setup

Conventional Spray:

Reducer R7K54
Reduction Rate 30-40%
30-45 seconds on a Zahn #2

Airless Spray:

Pressure 1800 - 2200 psi
Tip013"
Reducer R7K54
Reduction Rate up to 10%

Cleanup:

Clean tools/equipment immediately after use with Reducer #54, R7K54. Follow manufacturer's safety recommendations when using any solvent.

Performance Tests

Substrate: Bonderite 1000 panels

Pencil Hardness B min.
ASTMD3363

Salt Spray Passes 400 hrs.
ASTM B117

Humidity Passes 1000 hrs.
ASTMD2247

SPECIFICATIONS

Product Limitations:

- Topcoat only with Polane Polyurethanes and catalyzed epoxies.
- If primed parts are stored outside for long periods before topcoating, the chalk must be removed before painting.
- On sand blasted surfaces, apply sufficient film thickness to protect the blast profile. This is typically 1 mil more than the blast profile. Multiple coats may be required.
- Contains Chromates.

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 as to the end result.

CAUTIONS

Thoroughly review product label for safety 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.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are **FLAMMABLE**. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions 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.

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 re-use. If in **EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention. If **SWALLOWED:** Call Poison Control Center, hospital emergency room, or physician 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 regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. Contains Strontium Chromate which can cause cancer.

This product must be mixed with other components before use. Before opening the packages, **READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 26981-112006.