



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-M12

DOD-P-15328D Metal Wash Primer

Green (Component A) E90G4
Catalyst (Component B) V93VC2

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>E90G4/V93VC2 is a pretreatment, two package, acid catalyzed vinyl wash primer used for clean metal surfaces. It is used to enhance adhesion of the coating system and conforms to Military Specification DOD-P-15328D.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Increase adhesion of topcoat • Fast dry • Conforms to Navy Formula 117 and DOD-P-15328D 	<p>Volume Solids: E90G4: 10.1 ± 2% V93VC2: 7.2 ± 2% Admixed: 7.9 ± 2%</p> <p>Viscosity: E90G4: 63-75 Krebs Units Admixed: 15-30 seconds #2 Zahn Cup</p> <p>Recommended film thickness: Mils Wet 3.8 - 6.3 Mils Dry 0.3 - 0.5</p> <p>Spreading Rate (no application loss) 189-529 sq ft/gal @ 0.3-0.5 mils DFT</p> <p>Drying (1.0 mils DFT, 77°F, 50% RH): To Recoat: 4 hours maximum for optimum adhesion - 30-60 minutes recommended for best results. Force Dry: 5-10 min. at 130°F</p> <p>Flash Point: 72°F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: by volume 4 part E90G4 1 part Isopropyl Alcohol, R6K20 1 part max. V93VC2</p> <p>To avoid premature gelling and improve spray characteristics, mix E90G4 and Isopropyl Alcohol, then add V93VC2. Note: Do not use more than one part by volume isopropyl alcohol</p> <p>Pot Life: 8 hours at room temperature. Higher temperature will shorten pot life.</p> <p>Package Life: 1 year, inside storage</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) E90G4 as packaged, maximum 5.89 lb/gal, 706 g/L V93VC2 as packaged, maximum 5.95 lb/gal, 721 g/L catalyzed and reduced as above, 6.1 lb/gal, 732 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p>Steel: Surface must be clean and free of grease, dirt, oil, rust, fingerprints, and other contaminants to insure optimum adhesion and performance properties. Where blasting is appropriate, blast in accordance with SSPC-SP6. Prime with wash primer E90G4 within two hours after blasting.</p> <p>Aluminum: Clean with acidic cleaner or other appropriate cleaner depending on contamination.</p> <p>Galvanized and other metals: Clean and remove oxidation contamination on surface, followed by treatment with E90G4. Due to the variability in these surface, testing adhesion on each situation is recommended.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>

APPLICATION

Typical Setups

Reduction: Reduce up to 15% with Iso-propyl Alcohol. Use PM Acetate when better flow or slower evaporation is required.

May be applied by:

Conventional Spray
Airless Spray
Air Assisted Airless
HVLP

Please consult with your Sherwin-Williams sales representative for proper settings for your spray equipment.

Cleanup:

Clean tools/equipment immediately after use with Isopropyl Alcohol, MEK, MIBK, MAK, n-Butyl Acetate, or any or other epoxy thinners, such as MIL-T-81772, Type II Thinner, R91K210.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Product must be applied over properly prepared substrates.

Performance Properties:

Meets all the performance properties of DOD-P-15328D.

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. 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.

Contains Zinc 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. 22882-051905.