**Product Finishes**

**CC-M12**

**DOD-P-15328D**

Metal Wash Primer

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

**DESCRIPTION**

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.

**Advantages:**

- Increase adhesion of topcoat
- Fast dry
- Conforms to Navy Formula 117 and DOD-P-15328D

**CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Volume Solids:</th>
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<tbody>
<tr>
<td>E90G4:</td>
<td>10.1 ± 2%</td>
</tr>
<tr>
<td>V93VC2:</td>
<td>7.2 ± 2%</td>
</tr>
<tr>
<td>Admixed:</td>
<td>7.9 ± 2%</td>
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<table>
<thead>
<tr>
<th>Viscosity:</th>
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<tbody>
<tr>
<td>E90G4:</td>
<td>63-75 Krebs Units</td>
</tr>
<tr>
<td>Admixed:</td>
<td>15-30 seconds #2 Zahn Cup</td>
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**Recommended film thickness:**

- Mils Wet: 3.8 - 6.3
- Mils Dry: 0.3 - 0.5

**Spreading Rate** (no application loss)

- 189-529 sq ft/gal @ 0.3-0.5 mils DFT

**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
- Flash Point: 72°F Pensky-Martens Closed Cup

**Mixing Ratio:** by volume

- 4 part E90G4
- 1 part Isopropyl Alcohol, R6K20
- 1 part max. V93VC2

**To avoid premature geling and improve spray characteristics, mix E90G4 and Isopropyl Alcohol, then add V93VC2.**

**Note:** Do not use more than one part by volume isopropyl alcohol

**Pot Life:** 8 hours at room temperature. Higher temperature will shorten pot life.

**Package Life:** inside storage

- E90G4, 1 year
- V93VC2, 2 years

**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

**SPECIFICATIONS**

**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.

**Aluminum:** Clean with acidic cleaner or other appropriate cleaner depending on contamination.

**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.

**Testing:** The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

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**APPLICATION**

**Typical Setups**

**Reduction:** Reduce up to 15% with Isopropyl 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 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.
- Contains hexavalent chrome

**Performance Properties:**
Meets all the performance properties of DOD-P-15328D

**CAUTIONS**

**FOR INDUSTRIAL SHOP APPLICATION ONLY**

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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DOD-P-15328D Metal Wash Primer