

# CC-M4

# MIL-DTL-53022, Type I Lead & Chromate Free Epoxy Primer

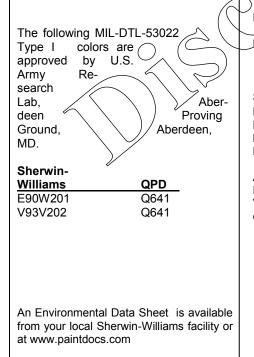
White (Component A)...... E90W201 Catalyst (Component B)..... V93V202

### **DESCRIPTION**

**E90W201/V93V202** is a conventional solid, two component, lead and chromate free epoxy primer. It meets MIL-DTL-53022, Type I, composition and performance specification. It may be used as a primer under polyurethane chemical agent resistant coatings (CARC) specified in MIL-DTL-53039 or waterborne polyurethane (CARC) specified in MIL-DTL-64159, MIL-PRF-22750 epoxy topcoat, or MIL-PRF-85285 (non-aircraft) polyurethane topcoats.

### Advantages:

- Complies to Rule 102, South Coast Air Quality Management District or Rule 66 emission regulation
- Fast dry
- Excellent chemical, solvent and corrosion resistance on aluminum and steel
- · Free of lead and chromate hazards



#### CHARACTERISTICS 10-30 units (60°) Gloss: Volume Solids: (Typical) $44.1 \pm 1\%$ Component A: Component B: $21.4 \pm 1\%$ $39.5 \pm 1\%$ Admixed: Viscosity: (Typical) Component A: 63-73 Krebs Units Component B: 10-20 seconds #4 Ford Cup Admixed: 30-40 seconds #2 Ford Cup Recommended film thickness:/ Mils Wet 2.6 (5.) 1.0 - 2,0 Mils Dry Spreading Rate per Admixed Gallon (no application loss): 300-665 sq. ft./gal @ 1.0-20 mils ₽FŤ Drying (1 mil DET, 70°F, 50% RH): Set to Touch 90 minutes Dry Hard: 4 hours To Recoat: 2 hours to 7 days Force Dry: to obtain dry hard 30-40 mins at 140°F Flash Point: 21°F Pensky-Martens Closed Cup by volume Mixing Ratio: 4 parts Component A 1 part Component B 1 part Reducer (optional) Shake Component A well before mixing. Induction Time: 30 minutes Pot Life: 8 hours at room temperature higher temperatures will shorten pot life. Package Life: 24 months unopened, inside storage Air Quality Data: Non-Photochemically reactive Volatile Organic Compounds (VOC)\* catalyzed as above, maximum 4.35 lb/gal, 521 g/L

## **SPECIFICATIONS**

must be clean and Steel: Surface of < free grease, dirt, oil, rust, fingerprints, and other contaminants insure to mum adheoptision and performance properties. Chemical pretreatment (zinc phosphate) or DODP- 15328D wash primer, E90G4, gives best adhesion and performance results. Where blasting is appropriate, blast in accord ance with SSPC-SP6. For optimum ad hesion pretreat blasted surface immediately. Prime with wash primer E90G4 within two hours after blasting.

Aluminum: Clean with acidic cleaner or other appropriate cleaner depending on contamination. Pretreat with chromate conversion coating MIL-DTL-5541F, wash primer DOD-P-15328D, E90G4, or anodize per MIL-A-8625F.

**Galvanized and other metals:** Clean and remove oxidation contamination on surface, followed by treatment with DOD-P- 15328D wash primer, E90G4. Due to the variability in these surface, testing adhesion on each situation is recommended

**Note:** See MIL-DTL-53072 for complete details regarding substrate preparation, coatings and application.

**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 meth-

APPLICATION	APPLICATION Typical Setups	CAUTIONS
<ul> <li>Reduction: If required, use MIL-T- 81772, Type II, R91K210 or MIL-T- 81772, Type 1, R91K20</li> <li>May be applied by: Conventional Spray Airless Spray Air Assisted Airless HVLP</li> <li>Clean-Up: Clean tools / equipment im- mediately after use with MEK (R6K10), MIBK (R6K16), MAK (R6K30), or other epoxy thinners such as MIL-T-81772 Type II (R91K210) or MIL-T-81772, Type I Reducer R91K20</li> <li>Follow manufacturer's safety recom- mendations when using any solvent.</li> </ul>	<ul> <li>Product Limitations:</li> <li>This product must be properly mixed (catalyzed) before using. (See mixing instruction for details.)</li> <li>Surface preparation is important for performance.</li> <li>Primer must be applied within 24 hours after the surface has been prepared for priming</li> <li>For good adhesion, parts primed with E90W201/V93V202 need to air dry a minimum of 2 hours before topcoat.</li> <li>If parts have been primed for longer than seven (3) days, they must be sanded and/or recoated with a mist coat of E0W201/V93V202 before top coating for good adhesion</li> <li>E90W201/V93V202 should not be used as a primer when using MIL-DTL-53039 Type 2 topcoats</li> </ul>	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 com- ments to your local Sherwin-Williams facility.
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