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

*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

CHARACTERISTICS

Volume Solids:
E90G4: 10.1 ± 2%
V93VC2: 7.2 ± 2%
Admixed: 7.9 ± 2%

Viscosity:
E90G4: 63-75 Krebs Units
Admixed: 15-30 seconds #2 Zahn Cup

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 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

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.

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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 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.
- 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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