## **Product Finishes**



# CC-M12

# **DOD-P-15328D** Metal Wash Primer

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

**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

An Environmental Data Sheet is avail-

able from your local Sherwin-Williams

## **CHARACTERISTICS**

#### Volume Solids:

Volume Condo.		2
E90G4:	10.1 ± 2%	g
V93VC2:	7.2 ± 2%	c
Admixed:	7.9 ± 2%	а
Viscosity:		ir
E90G4:	63-75 Krebs Units	S
Admixed.	15-30 seconds #2 Zahn	E
		A
Recommended	film thickness	С
Mile Wat	38-63	С
Mile Dry	0.2 0.5	C
Spreading Date	(no application loss)	r
Spreading Rate		f
169-529 SQ 11/g		tl
Drying (1.0 mils	DF1, 77°F, 50% RH):	h
To Recoat:	4 hours maximum for	
optimum adhe	sion - 30-60 minutes	T
recommended	for best results.	s
Force Dry:	5-10 min. at 130°F	С
Flash Point:	72°F Pensky-Martens	С
	Closed Cup	f
Mixing Ratio:	by volume	s
4 part	E90G4	
1 part	Isopropyl Alcohol,	
	R6K20	
1 part max.	V93VC2	
To avoid prem	nature gelling and im-	
prove spray cha	aracteristics, mix E90G4	
and Isopropy	Alcohol, then add	
V93VC2.		
Note: Do not i	ise more than one part	
hy volume ison		
by volume isop	opyraiconol	
Pot Life	8 hours at room tem-	
I OT EIIC.	perature Higher tem-	
	perature. right terri	
	norature will charten not	
	perature will shorten pot	
Baakaga Lifa	perature will shorten pot life.	
Package Life:	perature will shorten pot life. inside storage	
Package Life:	perature will shorten pot life. inside storage E90G4, 1 year	
Package Life:	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years	
Package Life:	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years	
Package Life: Air Quality Data	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years	
Package Life: Air Quality Data Non-photochemic	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years : cally reactive	
Package Life: Air Quality Data Non-photochemic Volatile Organic	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years : cally reactive Compounds (VOC)	
Package Life: Air Quality Data Non-photochemic Volatile Organic E90G4 as packa	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years : cally reactive Compounds (VOC) ged, maximum	
Package Life: Air Quality Data Non-photochemic Volatile Organic E90G4 as packa 5.89 lb/gal, 700	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years : cally reactive Compounds (VOC) ged, maximum 5 g/L	
Package Life: Air Quality Data Non-photochemic Volatile Organic E90G4 as packa 5.89 lb/gal, 700 V93VC2 as pack	perature will shorten pot life. inside storage E90G4, 1 year V93VC2, 2 years : cally reactive Compounds (VOC) ged, maximum 5 g/L aged, maximum	

## **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:** 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.

facility.

catalyzed and reduced as above,

6.1 lb/gal, 732 g/L

## 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.

#### **Performance Properties:**

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

### CAUTIONS

#### FOR INDUSTRIAL SHOP APPLICATION

Thoroughly review product label and Material Safety Data Sheet (MSDS) 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.

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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.