



General Industrial Coatings

CC-M30

Two Component Zinc Rich Epoxy Primer MIL-PRF-32550 Type I, Form B, Class S

Component A..... E90G17 Component B (Catalyst)..... V93V30

DESCRIPTION

Zinc Rich Epoxy Primer, E90G17, is a high solids two component epoxy-polyamide zinc rich primer. It contains 90%, by weight, of zinc in the dried film. This product is formulated to meet the corrosion requirements of MIL-PRF-32550 and MIL-DTL-53072. This product may be used with Chemical Agent Resistant Coatings (CARC).

Advantages:

- Zinc dust meets or exceeds the requirements for ASTM D520, Type II
- Provides cathodic protection
- Can be recoated with an epoxy intermediate in as little as 5 minutes
- The product is listed on the Qualified Product List (QPL) maintained by the Army Research Lab.

The following MIL-PRF-32550, Type I products are approved by the U.S. Army Research Lab, Aberdeen Proving Grounds, Aberdeen, MD.

Sherwin-Williams	QPD
E90G17/ V93V30	Q2251

Air Quality Data:

Photochemically Reactive
Volatile Organic Compounds (VOC), Less Exempts
E90G17, as packaged, max. 3.0 lbs/gal, 360 g/L
V93V30, as packaged, max. 5.0 lbs/gal, 600 g/L
Admixed as above, max. 3.5 lbs/gal, 420 g/L

* 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 (typical):

E90G17	56 ± 1%
V93V30	30 ± 1%
Admixed	51 ± 1%

Viscosity: 16-20 secs., #3 Zahn Cup
(Admixed, at 77° F)

Recommended Film Thickness:

Mils Wet	5.0-7.0
Mils Dry	2.5-3.5

Spreading Rate: 820 ft.²/gal. at 1 mil DFT
(no application loss)

Cure:

Air Dry or
Force Dry 5 mins. flash, 30 mins. at 140° F

The force dry schedule above is provided as a guide. Wet film thickness, humidity, flash off time, part size and oven characteristics will all have an effect on drying and cure. Test for your specific application and line conditions.

Drying: 3 mils at 77° F, 50% RH

To Touch	30 minutes
Dry Hard	2 hours
Through-Dry	3 hours
To Recoat	30 minutes
Total (Full Properties)	7 days

Mixing Ratio (by volume):

E90G17 - Component A	4 Parts
V93V30 - Component B	1 Part

Induction Time: 30 minutes

Potlife: 4-6 hours

Flash Point: 80° F
(Pensky Martens Closed Cup)

Package Life: 16 months
(Unopened, inside storage)

SPECIFICATIONS

Minimum Recommended Surface Preparation
Iron and steel: SSPC-SP10/NACE No. 2

CLEANING & PRETREATMENTS

Follow the most current revisions of MIL-DTL-53072 and/or TT-C-490 for required cleaning and pretreatment application before coating.

Note: See the current 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 methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

APPLICATION

Typical Setups

For all application and usage guide- lines, please consult and review the MIL-DTL-53072 & TT-C-490 specifications as well as your local Sherwin-Williams representative.

Reduction: Use R91K20 (MIL-T-81772 Type I, R91K210, (MIL-T-81772 Type II, R6K9 (Acetone), R6K30 (MAK) or R6K38 (GI Reducer, t-BAC) or R6K221 (Exempt Solvent 221, t-BAC).

Cleanup: Clean tools/equipment immediately after use with MEK, MIBK, MAK, or any or other epoxy thinners, such as R91K210, (MIL-T- 81772, Type II.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- During application the mixed coating must be continuously agitated to prevent settling of the zinc metal.
- Surface preparation is important for proper adhesion.

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CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review the 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.

Note:

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