



General Industrial Coatings

CC-M17B

MIL-PRF-22750H, Type II, Class H, Grade A 2K High Solids Epoxy, 2.8 Lbs/Gal VOC Interior Topcoat Coating

Seafoam Green, 24533 (Semi-Gloss)..... F92G227 CatalystV93V228
White, 17925 (Gloss)..... F91W227
White, 27875 (Semi-Gloss)..... F92W225
SAE-AMS-STD-595 Color Custom Blends Also Available

DESCRIPTION

MIL-PRF-22750H, Type II, Class H, Grade A coatings are two component, 2.8 lbs/gal *VOC, high solids epoxy interior topcoat coatings for military tactical and support equipment.

Advantages:

- Meets all the performance properties of MIL-PRF-22750H, Type II, Class H, Grade A.
- Passes 500 hours ASTM G155 accelerated weathering using Cycle I
- Fast solvent and water resistance
- Complies with 2.8 *VOC solvent emissions.

The following MIL-PRF-22750H, Type II, Class H, Grade A products are approved by the U.S. Army Research Lab, Aberdeen Proving Grounds, Aberdeen, MD:

Sherwin-Williams
F92G227

QPD
Q2128

Note: Approval is only required for these colors. Sherwin-Williams is approved to supply any SAE-AMS-STD-595 color at all gloss levels.

* 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

(varies by color)

60° Gloss:

Gloss	90 Min.
Semi-Gloss	15-30
Camouflage	5 Max.

Volume Solids:

Part A	55-64 ± 2 %
V93V228 Catalyst	69-70 ± 2 %
Admixed	61-66 ± 2 %
SAE-AMS-STD-595	Varies By Color

Viscosity (at 77° F, #4 Ford Cup):

Admixed	20-32 secs.
---------	-------------

Recommended Film Thickness:

Mils Wet	Varies By Color
Mils Dry	1.5-2.5

Film builds required to achieve full hiding will vary by color. Higher builds may be necessary.

Spreading Rate (no application loss):

443-564 ft.²/gal. at 1.8-2.0 mils DFT

Cure:

Air Dry or	
Force Dry	30 mins. at 145° F
	To obtain Dry Hard

The gloss of all colors may be lower than the specification if force dried. Thicker films or lower temperature will increase cure time.

Substrate Disclaimer: Curing of coating at temperatures higher than the heat distortion parameters of the substrate may cause substrate issues.

Air Drying:

2.0 mils at 77° F, 50% RH	
Set To Touch	4 hours maximum
Dry Hard	8 hours maximum
To Recoat w/ Itself	30-60 minutes
Total (Full Properties)	7-10 days

Mixing Ratio (by volume):

Part A	4 Parts
V93V228	1 Part
Reducer	Up to 1 Part

Agitate well before using

Induction Time:

30 minutes

Potlife (77 °F):

4 hours at room temp.
Higher temperature will shorten pot life.

Potlife Disclaimer: Potlife listed applies to admixed coatings from the beginning of the induction period.

Recoat Window: Check the data sheet of each primer for recoat time of topcoat.

Flash Point (Pensky Martens Closed Cup):

Part A	-1 to 57° F
Admixed	20° F
V93V228	53° F
#SAE-AMS-STD-595	Varies By Color

Flash Point will be listed on the SAE finished paint Environmental Data Sheet (EDS).

Air Quality Data:

*Photochemically Reactivity	Varies By Color
Volatile Organic Compounds	2.8 lb/gal, 340 g/L
(VOC, admixed, less exempt solvents, maximum)	

* Refer to EDS to determine photochemical reactivity for specific colors.

Recommended Storage: Inside, sealed container, 40-120° F, no freeze hazard. Protect from moisture.

Package Life:

18 months, unopened
Inside storage

SPECIFICATIONS

CLEANING & PRETREATMENTS

Follow the most current revisions of MIL-DTL-53072, 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.

General: All substrates should be free of mold release, oil, grease, dirt, fingerprints, drawing compounds, surface passivation treatments and any other contaminants to ensure optimum adhesion and coating performance. Consult Metal Preparation brochure CC-T1 for additional details

PRIMERS

- An approved primer per MIL-DTL-53072 must be applied under the topcoat.
- Check the data sheet of each primer for recoat time of topcoat.

APPLICATION

Typical Setups

The paint must be agitated for a minimum of 15 minutes prior to use. This ensures that the product is homogenous for application.

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

***Reduction:** R6K9 (acetone), R6K10 (MEK), R6K30 (MAK), R91K25 (MIL-DTL-81772 Type IV), R91K210 (MIL-DTL-81772 Type II) or other epoxy reducer.

* Reducer addition may change the VOC of the finished paint.

Cleanup: Clean tools & equipment immediately after use with any of the reducers listed above.

Follow manufacturer's safety recommendations when using any solvent.

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.

ADDITIONAL INFORMATION

1. This product must be properly catalyzed before using. **DO NOT VARY CATALYST RATIO.** The catalyst ratio has been established for optimum properties.
2. Do not use other catalysts.
3. Part A must be well agitated prior to use.
4. Agitate entire mixture, Part A, Part B & Reducer well before spray.
5. A 30 minute induction period is necessary.
6. Pot life will be shorter with higher temperatures.
7. Force drying will lower the gloss of this product.
8. This coating is recommended for interior application only.
9. Surface preparation is important for coating performance.
10. Use of a primer other than E90A228 may change the color or gloss level of this system.
11. If parts have been primed for longer than 7 days, they must be sanded and recoated with a mist coat of the original primer utilized before topcoating for good adhesion.
12. 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.
13. Please refer to MIL-DTL-53072 for impacts to application properties as temperature relates to MIL-PRF-22750 products.
14. Sherwin-Williams recommends that all material be used in FIFO order (first in first out).

All trademarks are the property of their respective owners.

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:

All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' [Standard Terms And Conditions Of Sale](#). Please review these terms and conditions prior to the purchase of the products.

Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams' control, including substrate selection, and customer handling, preparation, and application, Sherwin-Williams cannot make any other warranties related to the product or the performance of the product. **SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.**

Liability for products proven to be defectively manufactured will be limited solely to replacement of the defective product or the refund of the purchase price paid for the defective product, as determined by Sherwin-Williams. Under no circumstances shall Sherwin-Williams be liable for indirect, special, incidental or consequential damages, lost profits or punitive damages arising from any cause whatsoever.