



MIL-PRF-22750G Type II High Solids Epoxy Topcoat

Semi-Gloss Tan 23446.....F92H101 Flat Gray 36375.....F93A603
Semi-Gloss Seafoam Green 24533.....F92G227 Catalyst.....V93V228

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS						
<p>MIL-PRF-22750G Type II High Solids Epoxy Topcoat is a 2.8 lb/gal VOC* compliant high solids two component epoxy topcoat. This epoxy coating is intended for use as a topcoat for the interior of military ground equipment. This product is applied over specified epoxy primers.</p> <p>The following products are approved by the U. S. Army Research Lab, Aberdeen Proving Ground, Aberdeen, MD</p> <table><tr><td><u>Sherwin-Williams #</u></td><td><u>QPD #</u></td></tr><tr><td>F93A603</td><td>Q2042</td></tr><tr><td>F92G227</td><td>Q2128</td></tr></table> <p>Note: Approval is only required for these colors. Sherwin-Williams is approved to supply any additional colors in all gloss levels. See product data page CC-M17A MIL-PRF-22750 for Intermix System colors.</p>	<u>Sherwin-Williams #</u>	<u>QPD #</u>	F93A603	Q2042	F92G227	Q2128	<p>Volume Solids: (see chart on back for actual by color) Component A: 55 - 64% Catalyst: 69 - 70% Admixed: 61 - 66%</p> <p>Viscosity (Typical): Admixed: 20-32 seconds, #4 Ford Cup</p> <p>Recommended film thickness: Mils Wet 2.8 - 3.1 Mils Dry 1.5 - 2.5 Film builds will vary by color to achieve full hiding. Higher builds may be necessary.</p> <p>Spreading Rate (no application loss) 448-564 sq ft/gal @ 1.8-2.0 mils DFT</p> <p>Drying (2.0 mils dft, 77°F, 50% RH): Set to Touch: 4 hours maximum Dry Hard: 8 hours maximum Complete Cure: 7 days Force Dry: to obtain dry hard 30 minutes at 145° F</p> <p>The gloss of F92G227 will be lower than the specification minimum of 15 units if force dried. Thicker films or lower temperature will increase cure time.</p> <p>Flash Point: 20° F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: by volume 4 parts Component A 1 part Catalyst V93V228 1 part Reducer</p> <p>Induction Time: 30 minutes Pot Life: 4 hours at room temperature. Higher temperature will shorten pot life.</p> <p>Package Life: 18 months, inside storage</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) catalyzed as above, maximum 2.8 lb/gal, 335 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com</p>	<p>Steel: Surface must be clean and free of grease, dirt, oil, rust, fingerprints, and other contaminants to insure optimum adhesion and performance properties. Chemical pretreatment, TT-C-490, Type I, zinc phosphate, DOD-P-15328D wash primer, (E90G4) or MIL-C-8514 (E90G16), gives best adhesion and performance results. Where blasting is appropriate, blast in accordance with SSPC-SP10 or SSPC-SP5. For optimum adhesion pretreat blasted surface immediately. Prime with wash primer E90G4 within two hours after blasting.</p> <p>Aluminum: Clean with acidic cleaner or other appropriate cleaner depending on contamination. Pretreat with chromate conversion coating MIL-DTL-5541, wash primer DOD-P-15328 (E90G4), MIL-C-8514 (E90G16) or anodize per MIL-A-8625</p> <p>Galvanized and other metals: Clean and remove oxidation contamination on surface, followed by treatment with DOD-P-15328D wash primer (E90G4), MIL-C-8514 (E90G16), or anodize per MIL-A-8625. Due to the variability in these surface, testing adhesion on each situation is recommended.</p> <p>Primers must be applied under the topcoat. For ferrous substrates, use MIL-DTL-53022 primers. Or MIL-DTL-53030 (E90W501) For non-ferrous substrates, MIL-P-23377 (E90G203) (Type I, Class C2, 2.8 VOC); MIL-DTL-53022 primers or MIL-DTL-53030 (E90W501)</p> <p>Check the data sheet of each primer for recoat time of topcoat.</p> <p>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.</p>
<u>Sherwin-Williams #</u>	<u>QPD #</u>							
F93A603	Q2042							
F92G227	Q2128							

*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations

APPLICATION

Typical Setups

Reduction: Use Acetone (R6K9), MAK (R6K30), MEK (R6K10), MIL-T-81772 Type II Reducer (R91K210) or CARC Reducer (R91K25) - 75/25 (T-BAC/MAK).

Please consult with your Sherwin-Williams sales representative for proper settings for your spray equipment.

Cleanup:

Clean tools/equipment immediately after use with MIL-T-81772 Type II Thinner (R91K210), MEK (R6K10), or other epoxy reducer. A blend of MIBK and Xylene works well also.

Follow manufacturer's safety recommendations when using any solvent.

Performance Properties:

Meets all the performance properties of MIL-PRF-22750.

SPECIFICATIONS

Product Limitations:

- MIL-PRF-22750 coatings (Component A) must be catalyzed with Catalyst (Component B), V93V228, at 4:1 ratio by volume.
- Do not use other catalysts.
- Do not vary catalyst mixing ratio.
- Component A must be well agitated prior to use.
- Agitate entire mixture, Component A, Component B, and Reducer well before spray.
- A 30-minute induction period is necessary.
- Potlife will be shorter with warmer temperatures.
- Force drying will lower the gloss of this product. This coating is recommended for interior application only.

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

CAUTIONS (CONT)

Note: All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found at www.sherwin.com. 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.**

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MIL PRF 22750G Type II

COLOR	SW CODE	Vol Solids	VISC (#4 Ford)	Wet Film Thickness	Dry Film Thickness	SPREAD RATE
Semi-Gloss Seafoam Green 24533	F92G227	60-63	22-32	2.9 - 3.2	1.8 - 2.0	492-547
Semi-Gloss Tan 23446	F92H101	55-57	20-30	3.2 - 3.6	1.8 - 2.0	448-497
Flat Gray 36375	F93A603	62-64	-	2.8 - 3.2	1.8 - 2.0	508-564