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Product Finishes

CC-M41

MIL-PRF-85285E, Type II, Class H High Solids Polyurethane Topcoat

White 17925.....F91WC600
 Gray 26492.....F92AC601
 Tan 30279.....F93N601
 Fed Std 33303.....F93HL8

Green 24052.....F92G601
 Black 17038.....F91B600
 Gray 26270.....F92AC603
 Catalyst (Component B).....V66V255

Gray 26173.....F92AC602
 Green 24052.....F92G603
 Tan 33446.....F93HL1

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>MIL-PRF-85285E, Type II, Class H coatings are two-component (2K), low VOC*, high solids polyurethane topcoat designed as a finish coat for military ground support equipment. These products meet MIL-PRF-85285E, Type II, Class H composition and performance specification.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • 2.8 VOC <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com</p>	<p>Gloss Varies by color See chart on page 2</p> <p>Volume Solids: varies by color Component A: 47-56 +/- 1% Admixed: 55-64 +/- 1%</p> <p>Weight Solids: varies by color Component A: 62-71 +/-1%</p> <p>Viscosity: Component A: varies by color Admixed: 30 seconds #4 Ford Cup (maximum)</p> <p>Recommended film thickness: Mils Wet 3.2-4.1 Mils Dry 1.8-2.3</p> <p>Spreading Rate (no application loss) 335-446 sq ft/gal @ 1.8-2.3 mils DFT</p> <p>Drying (77°F, 50% RH): Dry Hard: 8 hours Dry to Tape: 8-12 hours</p> <p>Flash Point: 5-50° F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: by volume White and Black only 3 Parts F91WC600 or F91B600 1 Part V66V255</p> <p>Mixing Ratio: by volume All other colors 4 parts Component A 1 part V66V255</p> <p>Pot Life: 4 hours Package Life: 18 months, unopened Storage: Protect from moisture Inside storage</p> <p>Air Quality Data: Volatile Organic Compounds (VOC) catalyzed maximum 2.8 lb/gal, 336 g/L</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, (zinc phosphate) or DOD-P-15328 wash primer, E90G4, gives best adhesion and performance results. Where blasting is appropriate, blast in accordance with SSPC-SP6. 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, 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-15328 wash primer, E90G4, or chemical pretreat with zinc phosphate. Due to the variability in these surface, testing adhesion on each situation is recommended.</p> <p>Primers must be applied under the MIL-PRF-85285 topcoats. For ferrous substrates, use MIL-DTL-53022 or MIL-DTL-53030. For non-ferrous substrates, use MIL-PRF-23377, Type I, Class C2, E90G203.or E90G205</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>

APPLICATION

Typical Setups

Best application results are obtained by applying 2 medium wet passes. Tack off is not required between passes.

May be applied by:

Conventional
Airless
HVLP
Electrostatic

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 I. Follow manufacturer's safety recommendations when using any solvent.

Color Type	Min	Max
Gloss (1)	90	
Semi-Gloss (2)	15	45
Camouflage (Lusterless) (3)		5

SPECIFICATIONS

Product Limitations:

- Do not vary catalyst mixing ratio.
- Apply at temperatures between 60 - 90 F and relative humidity between 20 - 80 %

Performance Properties:

Meets all the performance properties of MIL-PRF-85285E, Type II, Class H.

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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