

## **General Industrial Coatings**

# CC-M45-H

## MIL-DTL-53039E, Type IX 1K Aliphatic Polyurethane, 3.5 lb/gal VOC **Chemical Agent Resistant Coating**

### DESCRIPTION

MIL-DTL-53039E, Type IX coatings are single component, 3.5 lbs./gal. \*VOC, 85° G VOHAP free compliant, moisture cure aliphatic polyurethane chemical agent Volu resistant coatings (CARC) for military They can be effectively equipment. decontaminated after exposure to liquid chemical agents. Visco

#### Advantages:

- · Meets all the performance properties of MIL- DTL-53039E, Type IX.
- Passes 800 hours ASTM G154 accelerated weathering using a UV 340A light source
- · Single component
- · Fast solvent and water resistance
- · Excellent exterior durability
- Complies with 3.5 \*VOC solvent emissions.
- VOHAP free
- · Free of lead and chromate hazards

The following MIL-DTL-53039E, Type IX products are approved by the U.S. Army Research Lab, Aberdeen Proving Grounds, Aberdeen, MD:

Sherwin-Williams	QPD
F93H709	Q2309
F93H739	Q2310

\* 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.

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Tan 686A, 33446	F93H709	Tan, 33531F93H739
	ACTERISTICS	Flash Point (Pensky Martens Closed Cup):           F93H709         101° F           F93H739         101° F
60° Gloss: 85° Gloss:	1.6 unit max. 4.0 units max.	F93H739 101 F
Volume Solids: F93H709 F93H739	54.5 ± 2 % 55.9 ± 2 %	Air Quality Data: Photochemically Reactive Volatile Organic Compounds (VOC, less exempt solvents, maximum): F93H709 3.50 lbs./gal., 420 g/L
Viscosity (at 77°		F93H739 3.50 lbs./gal., 420 g/L
Recommended Mils Wet Mils Dry	15-25 secs., #3 Zahn Cup Film Thickness: 3.6-5.5 2.0-3.0	<ul> <li>Recommended Storage: Inside, sealed container, 40-120° F, no freeze hazard. Protect from moisture.</li> <li>Package Life: 18 months, unopened</li> </ul>
Spreading Pate	(no application loss):	Inside storage
F93H709	438 ft. <sup>2</sup> /gal. at 2.0 mil DFT 448 ft. <sup>2</sup> /gal. at 2.0 mil DFT	SPECIFICATIONS
The force dry sch a guide. Wet filr off time, part siz will all have an ef for your speci conditions. Substrate Disclai temperatures high	mins. flash, 30 mins. at 140° F nedule above is provided as m thickness, humidity, flash the and oven characteristics fect on drying and cure. Test fic application and line <b>mer:</b> Curing of coating at er than the heat distortion substrate may cause substrate	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. General: All substrates should be free of mold release, oil, grease, dirt, fingerprints, drawing compounds, surface passivation treatments and any other contaminants to
To Touch To Dry Hard Through-Dry To Recoat w/ It Total (Full Prop		ensure optimum adhesion and coating performance. For non-military uses, consult Metal Preparation brochure CC-T1 for additional details.
Potlife (at 77° F):	*8 hours	Testing: The information, data, and
*Potlife Disclaime containers which ha air. It is highly recor	<b>r:</b> Potlife listed applies to ave been opened & exposed to mmended to maintain an argon over the product at all times to	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

The paint must be shaken 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.

**Cleanup:** Clean tools & equipment immediately after use with R6K9 (Acetone), R6K10 (MEK), R6K16 (MIBK), R6K30 (MAK), R6K38 (Tertiary Butyl Acetate), R91K20 (MIL-T-81772 Type I) or any Polane reducer. A blend of MIBK / Xylene (R2K4) or may also be used.

Follow manufacturer's safety recommendations when using any solvent.

#### **PRODUCT LIMITATIONS**

- 1. This product must be properly agitated before using. Material agitation should be followed throughout application to maintain its homogenous state
- 2. Surface preparation is important for coating performance.
- 3. If parts have been primed for longer than 7 days, they must be sanded and recoated with a mist coat of E90A228 before topcoating for good adhesion.
- 4. 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.
- 5. Product needs to be protected from moisture.

### <u>CAUTIONS</u>

### 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 <u>www.PaintDocs.Com</u>.

Please direct any questions or comments to your local Sherwin-Williams facility.

#### Note:

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