STANDARD PRACTICES AIRFRAME - GENERAL

1. Scope

A. This Chapter describes the standard maintenance practices for maintaining and repairing items of the airframe, and systems that are typical to more than one area or system. Maintenance practices which are unique to a particular system, or subject are described in the appropriate chapter and section in the maintenance manual.

NOTE: Equivalent substitutes may be used for the following items:

Heat Resistant Enamel (Gray) Sherman Williams 630 E. 13th St. Andover, KS 67002 Modified Urethane Paint (Seal Gray) WP593 WP46 WP46 WP46 WP46 U.S. Paint Corp. 831 S. 21st St. St. Louis, MO 63103 Polymer Corp. 2120 Fairmont Ave. Reading, PA 19612-4235. Chromated Etch Primer U2655 Wash Primer and 142265 Reducer U2655 Wash Primer and 142265 Reducer Louis, MO 63139 Epoxy Primer WP46 US. Paint Corp. 2120 Fairmont Ave. Reading, PA 19612-4235. Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139 To prime bonded or spowelded assemblies. To prime bonded or spowelded assemblies. To prime interior surface wing fuel bays and all departs. To prime interior surfaces of wing fuel bays and all departs. To prime aluminum aimplexterior. To thin intermed epoxy primer. Fireproof Coating (Inturnescent Paint) No.173, K000499 Polymer Corp. 2120 Fairmont Ave. St. Louis, MO 63139 To prime abonded or spowelded assemblies. To prime interior surface wing fuel bays and all departs. To prime interior surfaces of wing fuel bays and all departs. To prime aluminum aimplexterior. To thin intermed epoxy primer. Fireproof Coating (Inturnescent Paint) Polishing Compound Roal Verbale Advised Primer Advised Friedrical power box. Used as topcoat for land gear. Used as topcoat for land gear. To prime bonded or spowelded assemblies. To prime aluminum aimplexterior. To thin intermed epoxy primer. To rub out over spray. Flame Control Coatings (Inturnescent Paint) Flame Control Coatings (I	NAME	NUMBER	MANUFACTURER	USE
Heat Resistant Enamel (Gray) South Primer	Overall Base Paint	810 Series (Jet-Glo)	630 E. 13th St.	
Sherman Williams Sale	Acid Resistant Enamel	Jet-Glo Urethane 571-567		Used as topcoat for battery box.
Modified Urethane Paint (Gray) WP593 WP46 Enish coat for electrical power box.		521-520		Used for engine mount and accompanying hardware in engine compartment.
Seal Gray WP46 Box	Urethane-Acrylic Paint (Gray)	WP593		Top coat for electrical power box.
Hisolids Corrosion Primer R4001-K14 MAX COR R4001-M14 MAX COR R4001		WP46		
R4001-K14 MAX COR R4001-K14 MAX COR R51 S. 21st St. St. Louis, MO 63103 Polymer Corp. 2120 Fairmont Ave. Reading, PA 19612-4235. Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139 To prime bonded or spowelded assemblies. St. Louis, MO 63139 To prime bonded or spowelded assemblies. To prime bonded or spowelded assemblies. DuPont 251 Brandywine Bldg. Wilmington, DE 19803 Fireproof Coating (Intumescent Paint) No.173, K000499 Polymer Corp. 2120 Fairmont Ave. Reading, PA 19612-4235. Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139 To prime interior surface wing fuel bays and all de parts. To prime aluminum airple exterior. To thin intermed expoxy primer. Flame Control Coatings 4120 Hyde Park Blvd. P.O. Box 786 Niagra Falls,, NY 14302 Oakite EPA Polymer Corp. 2120 Fairmont Ave. Reading, PA 19612-4235. Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139 To prime bonded or spowelded assemblies. To prime interior surface wing fuel bays and all de parts. To prime aluminum airple exterior. To thin intermed epoxy primer. To rub out over spray. Fireproof Coating (Intumescent Paint) Oakite EPA B & B Chemical Co. Inc. 875 W 28th St	Hisolids Corrosion Primer	483-928		Used as overall intermediate primer.
Polyester PCA-1575-GP1 2120 Fairmont Ave. Reading, PA 19612-4235. Chromated Etch Primer U2655 Wash Primer and 142265 Reducer Sterling Laquer 3150 Brannon Ave. St. Louis, MO 63139 To prime bonded or spo welded assemblies. To prime interior surface wing fuel bays and all de parts. To prime aluminum airple exterior. To thin intermed epoxy primer Polishing Compound Polishing Compound No.173, K000499 Pireproof Coating (Intumescent Paint) Pokite EPA Pokite EPA Polishing Compound Polishing Commound Polishing Compound Pokite EPA Polishing Commound Polishing Compound P		R4001-K14 MAX COR	831 S. 21st St.	Epoxy Primer Base
Chromated Etch Primer 142265 Reducer 3150 Brannon Ave. St. Louis, MO 63139 St. Louis, MO 63139 St. Louis, MO 63139	Polyester	PCA-1575-GP1	2120 Fairmont Ave.	Used as topcoat for landing gear.
Epoxy Primer Converter, 513J102 Base and 91J138 Converter DuPont Sepond Primer Base and VG8392 Activator, T3871 Thinner Polishing Compound Epoxy Primer Polishing Compound Bose Polishing Compound No.173, K000499 Converter, 513J102 Base and VG8392 Activator, T3871 Thinner Polishing Compound No.173, K000499 Converter, 513J102 Base and VG8392 DuPont Sepond Primer Sepond Primer Sepond Primer Bull DuPont Sepond Primer Sepond	Chromated Etch Primer		3150 Brannon Ave.	To prime bonded or spot welded assemblies.
Intermediate Epoxy Primer Section Section	Epoxy Primer	Converter, 513J102 Base	251 Brandywine Bldg.	To prime interior surfaces of wing fuel bays and all detail parts. To prime interior surfaces of wing fuel bays.
Fireproof Coating (Intumescent Paint) No.173, K000499 No.173, K000499 Fireproof Coatings 4120 Hyde Park Blvd. P.O. Box 786 Niagra Falls,, NY 14302 Oakite Products Inc. 50 Valley Rd. Berkeley Heights, NJ 07922 B & B Chemical Co. Inc. 1717 SC B & B Chemical Co. Inc. 875 W 28th St Fireproof coating of electrons for electrons power box. Fireproof coating of electrons for el	Intermediate Epoxy Primer			To prime aluminum airplane exterior. To thin intermediate epoxy primer.
Fireproof Coating (Intumescent Paint) No.173, K000499 4120 Hyde Park Blvd. P.O. Box 786 Niagra Falls,, NY 14302 Oakite Products Inc. 50 Valley Rd. Berkeley Heights, NJ 07922 B & B Chemical Co. Inc. 1717 SC Fireproof coating of electromy power box. Fireproof coating of electromy power box. Fireproof coating of electromy power box. To remove difficult epoxion and polyurethane.	Polishing Compound	808 Polishing Compound		To rub out over spray.
Oakite EPA 50 Valley Rd. Berkeley Heights, NJ 07922 B & B Chemical Co. Inc. 1717 SC B & B Chemical Co. Inc. 875 W 28th St To remove difficult epoxion and polyurethane.		No.173, K000499	4120 Hyde Park Blvd. P.O. Box 786	Fireproof coating of electrical power box.
1717 SC 875 W 28th St and polyurethane.		Oakite EPA	50 Valley Rd.	
		1717 SC	875 W 28th St and polyurethane.	To remove difficult epoxies and polyurethane.
5075 NP		5075 NP		

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Paint Remover	PR-4028	Eldorado Chemical Co. 14358 Lookout Road San Antonio, TX 78265- 4837	To remove epoxies and urethane paint.
	Turco T-6776 LO	ELF Atochem North America, Inc. Turco Div. P.O. Box 5780 Winston-Salem, NC 27113	To remove lacquers, alkyds, epoxies and urethane paint.
	SPC-909	Akzo Nobel Coatings Inc. 2031 Nelson Miller Parkway Louisville, KY 40223	To remove Polyurethane, epoxy and other aircraft coating systems.
Tape	Masking Tape, Y-231	3M Co. 3M Center Minneapolis, MN 55144	To hold masking paper in place.
Cloth	Hex Wiping Cloth	Commercially Available	With solvent to clean airplane exterior.
Cleaning Solvent	Aliphatic Naptha		To clean acrylic.

2. Definition

- A. This chapter is divided into subjects and sections to aid maintenance personnel in locating information. Consulting the Table of Contents will further assist in locating a particular subject. A brief definition of the subjects and sections incorporated in this chapter is as follows.
 - (1) The subject on Material and Tool Cautions describes general cautions and warnings applicable to maintenance on or around the airplane.
 - (2) The subject on Torque Data describes maintenance practices for torquing tools, torquing requirements, formulas and torque limits for various type fasteners.
 - (3) The subject on Safetying describes the proper methods and use of safety wire/lockwire, cotter pins and lock clip installations.
 - (4) The subject on Control Cables and Pulleys describes the construction, examination and storage of cable assemblies and pulleys.
 - (5) The section on Solvents, Sealants and Adhesives provides the description and uses for solvents and cleaners; fuel, weather, pressure and high-temperature sealing; and the application of adhesives and solvent bonding.
 - (6) The subject on Conversion Data contains information converting the more commonly used measuring units found in the Maintenance Manual.

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