

AERO CHROME PLATING CP SPECIFICATIONS LIST

	Specification	Description	Revision	Date
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PASSIVATION				
	AMS 2700	Passivation Treatments for Corrosion-Resistant Steel	G	5/27/2025
	AMS-STD-753	Corrosion-Resistant Steel Parts: Sampling, Inspection and Testing for Surface Passivation	B	4/2017
	AMS-QQ-P-35	Passivation Treatments for Corrosion-Resistant Steel	A	02/2005
	FED-QQ-P-35	Passivation Treatments for Corrosion-Resistant Steel	C	10/28/88
	ASTM A967	Standard Specification for Chemical Passivation Treatments for Stainless Steel Parts	M	7/1/2017
	ASTM A380	Standard Practice for Cleaning, Descaling, and Passivation of Stainless-Steel Parts, Equipment, and Systems	M	9/1/2017
	SPS-209	Passivation of Corrosion Resistant Steels	P	3/29/13

Sulfamate Nickel				
	AMS-QQ-N-290	Nickel Plating (Electrodeposited)	D	10 /2021
	MIL-STD-868	Nickel Plating, Low Embrittlement Electro-Deposition	B	4/28/2009 W/Change 2
	AMS 2403	Plating, Nickel General Purpose	R	7/2021
	AMS 2424	Plating, Nickel Low-Stressed Deposit	G	2/2021

Nital Etch				
	MIL-STD-867	Temper Etch Inspection	D	10/24/2019
	AMS 2649	Etch Inspection of High Strength Steel Parts	E	9/2024

Electro Polish				
	ASTM B912	Standard Specification for Passivation of Stainless Steels Using Electropolishing	2002	10/01/2018 Reapproval notice

Copper				
	AMS 2418	Copper Plating	K	12/13/2021

CHEMICAL CONVERSION				
	MIL-DTL-5541	Chemical Conversion Coatings on Aluminum and Aluminum Alloys	F	02/07/2024 validation notice 2

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	AMS 2473	Chemical Film Treatment for Aluminum Alloys general purpose coating	K	05/03/2025
	MIL-DTL-81706	Chemical Conversion Materials for Coatings Aluminum and Aluminum Alloys	B	02/07/2024 Reviewed

PYROMETRY

	AMS 2750	Pyrometry	H	07/2024
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CADMIUM

	AMS-QQ-P-416,	Plating, Cadmium (Electrodeposited)	G	Sep/2022
	MIL-STD-870	Cadmium Plating, Low Embrittlement, Electrodeposition	D	01/20/2023
	AMS 2400	Plating, Cadmium	Y	7/14/2020
	AMS 2401	Plating, Cadmium Low Hydrogen Content	L	5/12/2024
	MIL-STD-1500	Cadmium-Titanium Plating, Low Embrittlement Electrodeposition	C	06/22/2023 Validation notice 2
	AMS 2419	Plating, Cadmium-Titanium	E	3/16/2022
	AMS 2759	Heat treatment of steel parts general	G	04/23/2019
	AMS 2750	Pyrometry	H	07/2024

Electroless Nickel

	AMS 2404	Electroless Nickel Plating	K	10/01/2024
	MIL-C-26074	Coatings Electroless Nickel Requirements	E	02/25/1998 Reinstatement notice 3
	AMS 2405	Electroless Nickel Plating low phosphorus	E	10/16/2013

CHROME PLATING

	MIL-STD-1501	Chromium Plating, Low Embrittlement	G	12/22/2022
	AMS 2406	Plating, Chromium Hard Deposit	P	12/2020
	AMS 2460	Plating, Chromium	B	02/06/2023
	AMS-QQ-C-320	Chromium Plating, Electrodeposited	B	01/23/2008
	QQ-C-320	Chromium Plating, Electrodeposited	B	05/03/2001 cancellation notice

PRIMER & PAINT

	MIL-PRF-46010	Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting Nato Code – S-1738	H	11/13/13
	MIL-L-46010	Lubricant, Solid Film, Heat Cured, Corrosion Inhibiting	E	4/11/97
	MIL-PRF-23377	Primer Coatings, Epoxy, High Solids	K	09/12/2019 Validation notice 1

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	MIL-PRF-22750	Coating, Epoxy, High-Solids	G	04/30/2014
	MIL-PRF-85582	Epoxy, Waterborne	E	10/16/2012
	MIL-C-83286	Coating, Urethane, Aliphatic Isocyanate, for Aerospace Applications	B	01/19/1995 cancellation 2
	MIL-C-85285	Coating: Polyurethane, High-Solids	F	05/16/2022
	MIL-C-8514	Coating Compound, Metal Pretreatment, Resin-Acid	C	10/20/1999 Amendment1
	FED-STD-595	Color Used In Government Procurement	C	2/14/2017 Notice 2
	MIL-PRF-85285	Topcoat, Aircraft and Support Equipment	F	5/16/2022

CLEANING

	MIL-DTL-5002	Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems	F	5/10/2022
	MIL-STD-1504	Abrasive Blasting	D	5/16/2022

MEASUREMENT/THICKNESS

	ASTM B499	Test Method for Measurement of Coating Thickness by the Magnetic Method: Nonmagnetic Coatings on Magnetic Basis Metals	2009 Edition	05/18/2021 Editorial change 1
	ASTM B568	Standard Test Method for Measurement of Coating Thickness by X-Ray Spectrometry	1998	05/12/2021 Reapproval notice
	ASTM F2111	Standard Practice for Measuring Intergranular Attack or End Grain Pitting on Metals Caused by Aircraft Chemical Processes	2022	01/19/2023 Revision
	ASTM B571	Standard Practice for Qualitative Adhesion Testing of Metallic Coatings	2023	11/03/23
	ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus	2019	12/01/19
	ASTM F519	Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating/Coating Processes and Service Environments	2023	02/21/24
	ASTM D1193	Standard Specification for Reagent Water	D1193-24	11/13/2024
	ASTM E376	Standard Practice for Measuring Coating Thickness by Magnetic-Field or Eddy Current (Electromagnetic) Testing Methods	2019	5/1/19
	ASTM D3330	Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape	2018	11/19/2018

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SAMPLING PLANS				
	ANSI/ASQ Z1.4	Sampling Procedures and Tables for Inspection by Attributes	2003	12/15/2018 Reaffirmation Notice

CALIBRATION				
	ANSI/NCSL Z540.3	Requirements for the Calibration of Measuring and Test Equipment	6th	2013

*This list of specifications shall be reviewed every 3 months for accuracy. ACP is a registered company with www.globalihs.com for notification of any new revision of specifications.

7/11/2025