



Aerospace Specification: AMS 2451C

AMS 2451 C

SAE wrote the revised AMS2451C standard for the general requirements of brush plating in 2011. Within the standard, some of the most used and accepted tank standards – such as AMS 2403, 2423, 2424, Mil-Std QQ-P-416 & Mil-Std QQ-S-365 – are listed and referenced. Technicians now have the opportunity to perform brush plating to several of the well-known AMS and Mil-Std tank specifications.

Specification	Deposit	Description	Acceptable Codes	Tank Standard Met
AMS 2451/1	Nickel	General Purpose	All Nickels	AMS 2403
AMS 2451/2	Nickel	Low Stress, Hard Deposit	AeroNikl 575	AMS 2423
AMS 2451/3	Nickel	Low Stress, Low Hardness	AeroNikl 250	AMS 2424
AMS 2451/4	Cadmium	Corrosion Protection, LHE	2023 5070	QQ-P-416 AMS 2400 AMS 4201
AMS 2451/5	Chromium	Hard Deposit, Trivalent	2030	
AMS 2451/6	Copper	General Purpose	All Coppers	
AMS 2451/7	Nickel	Low Stress, Medium Hardness	AeroNikl 400	AMS 2423
AMS 2451/8	Silver, Non Cyanide	General Purpose	3084/5870	AMS 2412
AMS 2451/9	Zinc-Nickel	LHE	4018/5870	AMS 2417
AMS 2451/10	Tin-Zinc	LHE	4019	AMS 2434
AMS 2451/11	Cobalt	General Purpose	2043 5200	
AMS 2451/12	Tin	General Purpose	All Tins	AMS 2408
AMS 2451/13	Silver	General Purpose	All Silvers	AMS 2412
AMS 2451/14	Nickel Tungsten	General Purpose	5711	

TYPICAL APPLICATIONS

- ▶ Landing Gear
- ▶ Turbine Blades
- ▶ Turbine Frames
- ▶ Engines
- ▶ Actuators
- ▶ Airframes
- ▶ Turbine Stator

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