

# Surtronics, Inc

## Electroplating & Anodizing

Specification Cross Reference Chart							
Common Name	Other Common Synonym(s)	MIL-or-QQ	AMS	ASTM	MIL-STD 171 Finish No.	MIL- F-14072 Finish No.	Other
Anodize,Chromic non-dyed	Clear Chromic Acid Anodize	MIL-A-8625 Type I Class I Type IB	AMS-2470 AMS-2468/2469 AMS-2471 AMS-2472	ASTM-B-580 Type G	7.1.1; 7.1.3	E511, Type I	
Anodize,Chromic dyed	Dyed Chromic Acid Anodize	MIL-A-8625 Type I or IB, Class 2		ASTM-B-580 Type G	7.1.2	E522, Type I	
Anodize, Sulfuric, non-dyed	Clear Sulfuric Acid Anodize	MIL-A-8625 Type II, Class I	AMS - 2471	ASTM-B-580 Type B Thru F	7.2.1	E511, Type II	
Anodize Sulfuric, dyed	Dyed Sulfuric Anodize	MIL-A-8625 Type II, Class 2	AMS-2472	ASTM-B-580 Type B Thru F	7.2.2	E511, Type II	
Black Oxide		MIL-C-13924	AMS-2485				
Cadmium		QQ-P-416	AMS-2400				
Chromium		QQ-C-320	AMS-2406 Hard	ASTM-B-456			
Chromate	Chemical Film; Iridite; Alodine	MIL-C-5541 Class IA	AMS-2473 AMS-2474	ASTM-B-449	7.3.1	E513	
Copper		MIL-C-14550	AMS-2418	ASTM-B-734 ASTM-B-281			
Electroless Nickel	Nickel Phosphorous; Autocatalytic Nickel; Chemical Nickel	MIL-C-26074 (cancelled, but still used-See AMS & ASTM)	AMS-2404 AMS-2405	ASTM-B-733 ASTM-B-656	1.4.3 Thru 1.4.3.4	M265, Grade A; M357, Grade B	NACE-T-6A-54; ISO 4527 MIS 23483
Electropolish				ASTM-B-254			
Gold		MIL-G-45204	AMS-2422 AMS-2425	ASTM-B-488	MIL-STD-865		Brush Plating Rockwell 580-0143
Hardcoat, non-Dyed		MIL-A-8625 Type III, Class I	AMS-2468 AMS-2469	ASTM-B-580 Type A	7.5.1	E514	
Hardcoat, Dyed	Black Hardcoat Black Hard Anodize	MIL-A-8625 Type III, Class 2		ASTM-B-580 Type A	7.5.2	E514	
Hardcoat/Teflon	Hardlube, Nituff, Tuftram, Polylyube	MIL-A-8625, Type III, Class I or Class 2 with Teflon MIL-A-63576, Type I	AMS-2482				SM-B-657374
Nickel, Bright		QQ-N-290	AMS-2403	ASTM-B-689			

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Common Name	Other Common Synonym(s)	MIL-or-QQ	AMS	ASTM	MIL-STD 171 Finish No.	MIL- F-14072 Finish No.	Other
Nickel, Sulfamate		MIL-P-27418 QQ-N-290	AMS-2403 AMS-2424	ASTM-B-689			
Passivate	Clear Passivate	MIL-STD-753 QQ-P-35, Types II:VI:VII:VIII		ASTM A380 Codes F Thru M; ASTM-A-967 ASTM-B-449	5.4.1	E300	MIS-13219 MIS-20134C
Silver		QQ-S-365	AMS-2410 AMS-2411 AMS-2412	ASTM-B-700			
Tin, Bright		MIL-T-10727	AMS-2408	ASTM-B-545			Rockwell 580-0605
Tin, Dull		MIL-T-10727	AMS-2408	ASTM-B-545			Rockwell 580-0151 Rockwell 580-0225
Tin, Lead Alloy (90/100)		MIL-P-81728					
Zinc			AMS-2402	ASTM-B-633			
Zincate				ASTM-B-253			
Other Specially Engineered Finishes & Services							
Salt Spray				ASTM-B-117			
Quality System							ISO 9001:2008 AS9100C
X-Ray				ASTM-B-568			