PURITY
CASTING ALLOYS LTD.

Anode Alloy Specifications

Anodes are typically used in salt water or marine environments where Cathodic Protection is required.

Our success in the Anode business is due to our commitment to product quality, product availability, and custom Anode sizes. With our onsite laboratory providing spectrographic analysis you can be assured of alloy consistency from Anode to Anode.

Composition	ZINC ANODES U.S. Military Specification MIL-A-18001Cadmium	ALUMINUM ANODES U.S. Military Specification MIL-A-24779
Cadmium	0.025 – 0.07%	-
Copper	0.005% Max.	0.004% Max.
Iron	0.005% Max.	0.090% Max.
Indium	-	0.014% – 0.020%
Lead	0.006% Max.	-
Mercury	-	0.001% Max.
Silicon	-	0.08% - 0.20%
Aluminum	0.1% - 0.5%	Remainder
Zinc	Remainder	4.0% - 6.5%

Performance		
Capacity, Amp hr/lb	355	1225
Efficiency	95%	94%
Consumption, Amp lb/yr	24.5 Lbs	7.6 Lbs
Potential Reference Cu/CuSO4	-1050mV	-1100mV

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