



ANODE PROPERTIES

Anodes are typically used in salt water or marine environments where Cathodic Protection is required. Purity Casting Alloys has been manufacturing sacrificial Aluminum and Zinc Anodes since 1992.

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 – Aluminum & Zinc Anodes

COMPOSITION	ZINC ANODES	ALUMINUM ANODES
	U.S. Military Specification MIL-A-18001	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 – Aluminum & Zinc Anodes

SPECIFICATIONS	ZINC ANODES	ALUMINUM ANODES
	U.S. Military Specification MIL-A-18001	U.S. Military Specification MIL-A-24779
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