



TECHNICAL PUBLICATION FOR: 30-800 SERIES ACC CAST ZINC ANODES

ACC 30-800

American Carbon Company's cast zinc anodes are cast in accordance with the highest specifications and documentation. Manufactured in a fully ISO9001 certified facility, our process leaves no resource untapped in demanding only the highest quality, most consistent anode. From the discerning raw material selection to the intricate heating process, our anodes are guaranteed to meet the requirements of your project.

We offer a large range of sizes and applications for zinc anodes. For soil applications we have standard sizes ranging from 5 pounds up to 60 pounds. Our marine series zinc anodes range from 5 pounds to 50 pounds. These marine anodes can be constructed to utilize pipe, weld, strap and bent rod connections. Additionally we offer a full range of drive in round zinc anodes.

For help with your project please provide information on your application and if known, the desired shape and weight you are looking for.

CHEMICAL COMPOSITION PER ASTM B418

Chemical Composition	Type I	Type II
Zinc (Zn)	Balance	Balance
Aluminum (Al)	0.1 - 0.5	0.005 max
Cadmium (Cd)	0.02 - 0.07	0.003 max
Iron (Fe) (Max)	0.005	0.0014
Lead (Pb) (Max)	0.006	0.003
Copper (Cu) (Max)	0.005	0.002

ELECTROCHEMICAL PROPERTIES

Electrochemical Properties	Type I	Type II
Open Circuit Voltage (-V respect to Cu/CuSO ₄)	≥ 1.05	≥ 1.10
Closed Circuit Voltage (-V respect to Cu/CuSO ₄)	≥ 1.00	≥ 1.05
Actual Capacity (A•hr/lb)	≥ 353	≥ 335
Current Efficiency (%)	≥ 95	≥ 90

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