

Corrpro Wire Anodes

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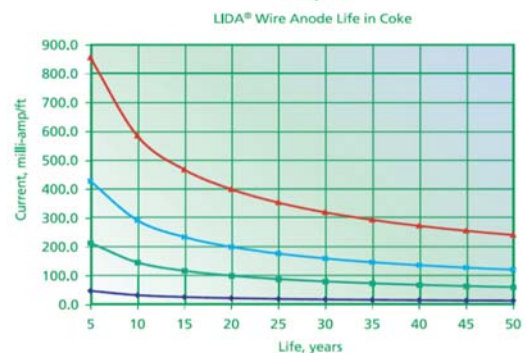
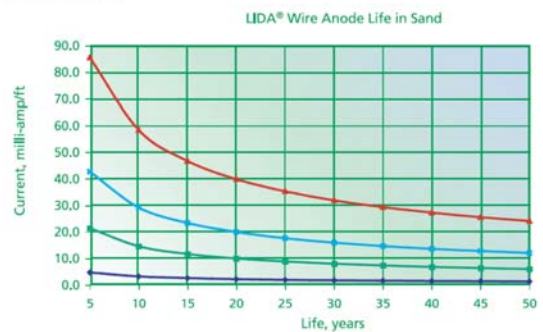
LIDA® wire anodes are copper titanium wire with a mixed metal oxide coating. The mixed metal oxide is a crystalline, electrically conductive coating that activates the titanium and enables it to function as an anode. LIDA® wire anodes are manufactured in two diameters, 1.5 millimetre and 3.0 millimetre. When applied on titanium the coating has an extremely low consumption rate measured in terms of milligrams per year. As a result of this low consumption rate, the wire diameter remains nearly constant during the life of the anode. The low consumption rate of the mixed metal oxide coating at the recommended operating current densities result in projected anode lifetimes from 15 to 20 years. Longer or shorter lifetimes may be obtained by varying the current output per foot per wire. Anode Coating - The coating used on wire is suitable for most cathodic protection applications, but output varies with application. LIDA® mixed metal oxide coating demonstrates a very high chemical stability, even in environments with very low pH values. Unlike other impressed current anodes, the LIDA® coating is not affected by the generation of chlorine.

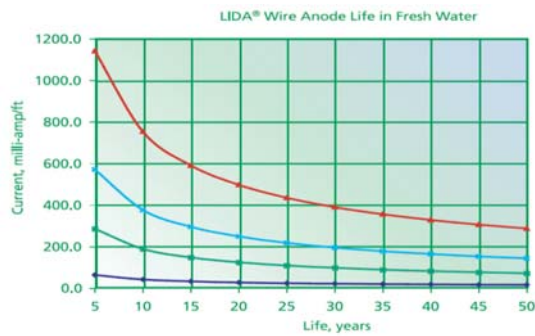
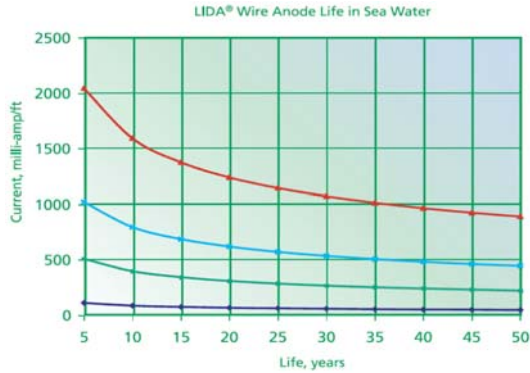
Applications

- Cansidered Anodes
- Continuous Horizontal Ground beds
- Discontinuous Horizontal Ground beds
- Shallow Vertical Ground beds
- Deep Anode Ground beds
- Above Ground Storage Tanks
- Underground Storage Tanks
- Natural Water
- Electrical Cable Shielding
- Water Storage Tanks
- Water Treatment Equipment



- 1.5 mm light
- 1.5 mm STD
- 1.5 mm XL
- 3 mm XL





Anode Shape & Dimension	Wire anode 1.5 ± 0.2 mm XL Coating	Wire anode 1.5 ± 0.2 mm XXL Coated	Wire anode 3.0 ± 0.2 mm std Coated	Wire anode 3.0 ± 0.2 mm XL Coated	Wire anode 3.0 ± 0.2 mm XXL Coated
Anode Type	Mixed Metal Oxide (MMO) Coated Titanium Anode				
Anode Weight (Without Cable)	0.008 Kg/m	0.008 Kg/m	0.033 Kg/m	0.033 Kg/m	0.033 Kg/m
Anode Material	Titanium Substrate (ASTM B 348 Grade I) coated with mixed metal oxide of noble metals (group VIII-IX)				
Anode Expected Design Life (years)	25	15	120	25	15
Current output (5°C < T < 70°C)	0.5 A/m	2.83 A/m	75 mA/m	1 A/m	5.65 A/m
Recommended maximum Anode Operating current density	100 A/m ²	600 A/m ²	8 A/m ²	100 A/m ²	600 A/m ²
Lengthwise electrical resistance	0.33 Ohm/m	0.33 Ohm/m	0.078 Ohm/m	0.078 Ohm/m	0.078 Ohm/m

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