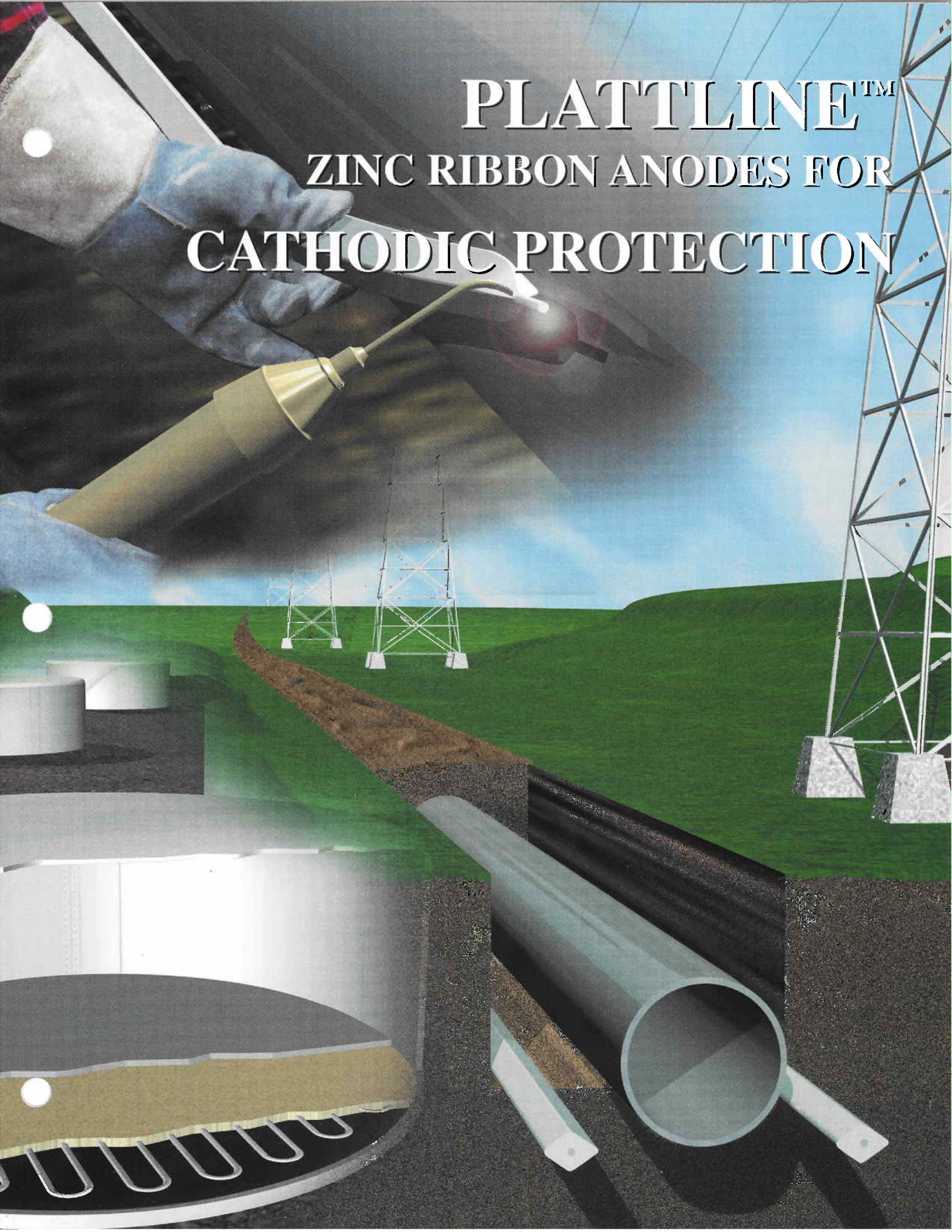


PLATLINE™

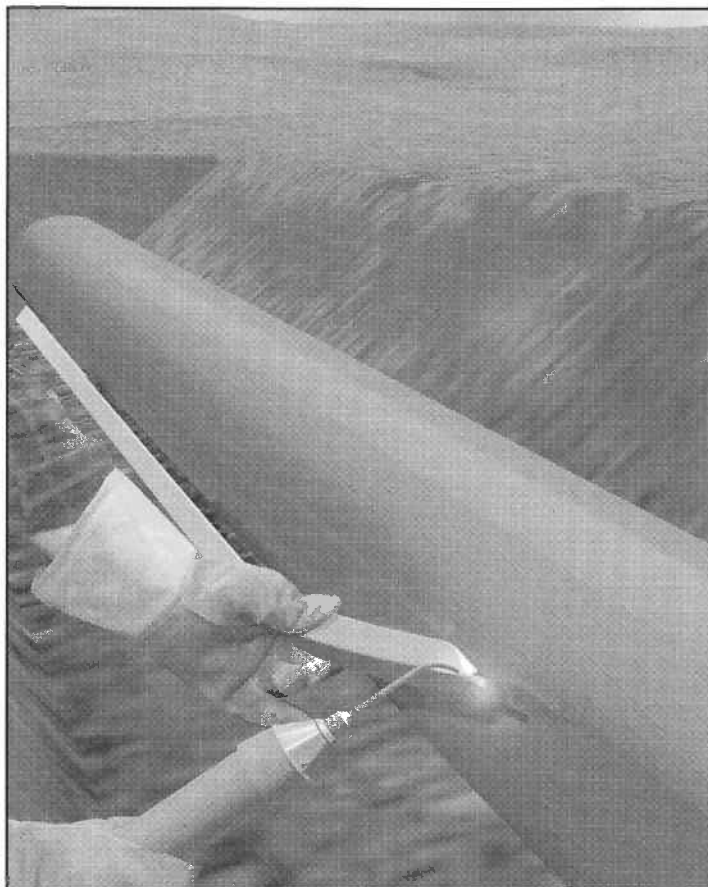
ZINC RIBBON ANODES FOR CATHODIC PROTECTION



PLATTLINE™ ZINC RIBBON ANODES

Applications

- External areas of steel pipe, especially in difficult environments such as below grade in rocky and mountainous terrain, thawed zones in permafrost, etc.
- Interior bottom areas of oil storage tanks where salt water settles out.
- Exterior bottoms of oil storage tanks.
- Interstitial spaces between old, corroded and new storage tank bottoms.
- In the limited space between inner and outer casings of wells of various kinds.
- For grounding steel tower footings of overhead power systems.
- To provide cathodic protection as well as to dissipate induced A.C. current on coated steel pipe.
- For personal safety, as well as corrosion protection. To ground valves and test stations of pipe lines which are subject to induced A.C. current and fault currents.



Plattline™ is simple to install. It is ideal as a cathodic protection system to protect coated pipe.

ELECTROCHEMICAL PROPERTIES OF ZINC RIBBON ANODES:

	TYPE I	TYPE II
Open Circuit Potential(-V)*	1.05 min	1.10 min
Closed Circuit Potential(-V)*	1.00 min	1.05 min
Current Capacity (amp-hrs/lb)	372	372
Galvanic Efficiency (%)	95	90
Consumption-Actual (lb/amp·yr)	24.8	26.2

Efficiencies depend on environment.

*With respect to a Cu/CuSO₄ reference cell.

FOR CATHODIC PROTECTION

Features

- High current output to volume ratio.
- Plattline™ easily conforms to any cathode length or configuration.
- There is no special equipment needed for installation.
- Will not cause nor magnify stray currents.
- Generally used in soils of 2000 ohm-cm or less with prepared gypsum-clay backfill.

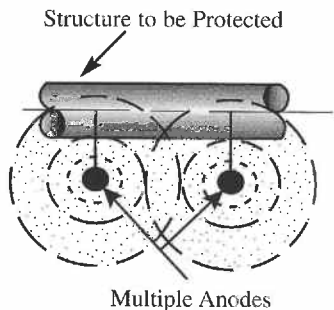
However, Plattline™ can be used in soils with higher resistivity on well coated pipelines with low current requirements.

- Because Plattline™ is in a continuous ribbon form, there is an even distribution of current density to the cathode.

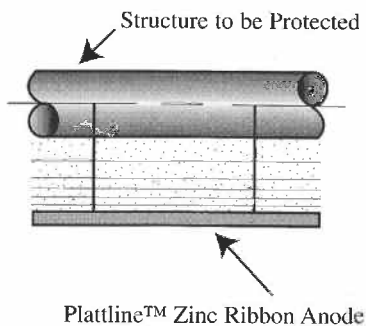


Plattline™ installation on 387 miles of the Aleskya Pipeline.

Multiple Anode System



Plattline™ Zinc Ribbon



For Cathodic Protection

Zinc ribbon anodes provide a very simple, cost effective, maintenance-free method of corrosion control for buried or immersed metals such as iron, steel, aluminum, copper, etc. It is especially useful for unattended applications; those where other cathodic protection systems requiring monitoring and/or frequent maintenance cannot be possible.

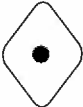



Plattline™ is an ideal primary or supplemental cathodic protection system. It can also be used as a temporary system prior to the installation of an impressed current system.



PLATTLINE™ ZINC RIBBON ANODES

Product Data Sheet

Plattline™ zinc ribbon anodes are used in a variety of applications. They are used for cathodic protection on buried pipelines, for A.C. mitigation on pipelines, for sacrificial cathodic protection of secondary bottoms on above-ground storage tanks, for A.C. mitigation grounding mats and for other corrosion protection applications.

Specification Chart				
Product Size	Super	Plus	Standard	Small
Cross Section: Inches Millimeters	1" x 1-1/4" 25.4 x 31.75	5/8" x 7/8" 15.88 x 22.22	1/2" x 9/16" 12.7 x 14.28	11/32" x 13/32" 8.73 x 10.32
Weight/Foot, Pounds Weight/Kg., Meters	2.4 3.570	1.2 1.785	0.6 .8925	0.25 .372
Diameter of wire core Inches Millimeters	0.185 4.70	0.135 3.43	0.130 3.30	0.115 2.92
Standard Coil Length Feet Meters	100 ⁺¹⁰ / ₋₀ 30.5 ⁺³ / ₋₀	200 ⁺²⁰ / ₋₀ 61 ^{+6.1} / ₋₀	500 ⁺³⁰ / ₋₀ 152 ⁺⁹ / ₋₀	1000 ⁺⁵⁰ / ₋₀ 305 ⁺¹⁵ / ₋₀
Standard Coil I.D. Inches Centimeters	36 91.44	36 91.44	12 30.5	12 30.5
Packaging	Steel-banded random-wound open coils	Steel-banded random-wound open coils	Wood Reels	Wood Reels

1. All dimensions and weights are nominal.
2. Galvanized Steel
3. "Arctic" standard size has nominal core diameter of .163 inches (4.140 mm.)

4. Longer coil lengths are available on special order.
Standard size also available in reels of 1000 ft and 3600 ft.



Plattline I is an alloyed zinc product and is generally used in seawater or brackish water systems. It meets the chemical requirements of MIL-A-18001K and ASTM B418-01 Type I.

Plattline II is a high purity product and generally used in underground and fresh water systems. It meets the chemical requirements of ASTM B418-01 Type II.

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