

# Above Ground Storage Tanks



Titan Corrosion Services, Inc. is a leader in cathodic protection systems for Above Ground Storage Tanks throughout the United States, Central, and South America. We employ AMPP certified technicians to manage any project size and many of our experienced personnel have over 100 years of combined experience with Cathodic Protection Systems for Above Ground Storage Tanks.

Titan Corrosion is committed to serving the cathodic protection needs of our customers.

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# Above Ground Storage Tanks CP Systems

Titan Corrosion Services provides the Premier Cathodic Protection Systems for Above Ground Storage Tank Bottoms. We utilize mixed metal oxide anode systems which employ titanium ribbon anodes distributed over the soil side of the tank base plate to ensure uniform current distribution and complete cathodic protection of the tank bottoms. The useful life of the tank can be extended for more than 50 years using this cost effective system mitigating soil side corrosion damage.

Titan Above Ground Storage Tank Cathodic Protection Services include design calculations, completed submittal documentation, materials, installation services, system commissioning and testing, and final report deliverables. Titan Corrosion Services can provide AST CP Systems to meet or exceed virtually any customer specifications.



MANUFACTURERS OF MMO AND PLATINIZED TITANIUM ELECTRODES

## TELPRO RIBBON ANODES DATA SHEET

### CURRENT OUTPUT OF RIBBON IN FINE SAND

12.8mA/ft (42mA/m) When operating at an anode current density of 0.278A/ft<sup>2</sup> (3A/m<sup>2</sup>)

### DESIGN LIFE

50 years plus when operating at an anode current density of 0.278A/ft<sup>2</sup> (3A/m<sup>2</sup>)

Lifetimes stated are nominal, we can supply Amps / life different to stated standards on request.

### CURRENT OUTPUT OF RIBBON IN CONCRETE

0.45mA/ft (1.5mA/m) when operating at an anode current density of 10.19mA/ft<sup>2</sup> (100A/m<sup>2</sup>)

### DESIGN LIFE

100 years plus when operating at an anode current density of 10.19mA/ft<sup>2</sup> (100A/m<sup>2</sup>)

Lifetimes stated are nominal, we can supply Amps / life different to stated standards on request.

### NOMINAL DIMENSIONS OF TITANIUM CONDUCTOR BAR

MATERIAL :	TITANIUM ASTM B265 Gr1
DIMENSIONS :	0.50" (12.7mm) Wide x 0.035" (0.9mm) Thick
COIL LENGTH :	328ft (100m)
COIL WEIGHT :	11 lbs (5kgs)

### TYPICAL APPLICATIONS FOR RIBBON ANODES

