

## Description

ElectroTechCP™ CMO Anode is ideally suited for steel-in-concrete cathodic protection applications. The mixed metal oxide catalyst is sintered to the titanium substrate, providing a lightweight, durable anode. With the proprietary catalyst used, ElectroTechCP™ CMO Anode provides an outstanding service lifetime for protecting reinforcing steel from chloride induced corrosion in concrete. The consumption rate of the mixed metal oxide coating is measured in milligrams per ampere-year. This low mass consumption rate combined with the unmatched strength-to-weight ratio for the titanium substrate results in unique advantages for the ElectroTechCP™ CMO Anode.



## Features and Benefits

- Lightweight – A 1,000 SF roll of mesh is easily handled by one or two people.
- Ductile – The composite material exhibits characteristics of the titanium substrate, which is highly malleable, conforming readily to the surface to which it is fastened.
- Dimensional stability – Assures excellent contact with the concrete and the thermal coefficient of expansion is essentially that of the concrete.
- Conveniently cut and welded in the field to suit various structures and geometries

## Quality Assurance

- ASTM B265 Grade 1 Titanium—material certificates available
- Tested by outside laboratories to NACE TM 0294-2007

## Custom Orders

STRUCTURAL TECHNOLOGIES can provide custom orders based on special specifications. If you have special requirements please contact us. We can accommodate special amperage requirements and special catalytic coatings, including platinum.

## ElectroTechCP™ CMO Anode 20 Specifications

Width .....	48 inches (1,219 mm)
Length .....	250 feet (76.2 m)
Thickness .....	0.025" (0.7 mm)
Area.....	1,000 sq feet (92.9 sq m)
Current Rating .....	2.3 mA/sq ft for 75 years
Resistance .....	0.013 ohm/ft (0.044 ohm/m) [length wise]
.....	0.007 ohm/ft (0.023 ohm/m) [with current distributor – sold separately]

## ElectroTechCP™ CMO Anode 30 Specifications

Width .....	48 inches (1,219 mm)
Length .....	250 feet (76.2 m)
Thickness .....	0.025" (0.7 mm)
Area.....	1,000 sq feet (92.9 sq m)
Current Rating .....	3.5 mA/sq ft for 75 years
Resistance .....	0.009 ohm/ft (0.031 ohm/m) [length wise]
.....	0.005 ohm/ft (0.016 ohm/m) [with current distributor – sold separately]

## Also Available

- Titanium current distributor/conductor bar
- Titanium wire
- Welded power feed assemblies

**Corrosion Solutions**  
**ElectroTechCP™ CMO Anode**  
Impressed Current Cathodic Protection Anode system  
Product Line Datasheet

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Legal Notes

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. The purpose of this product data sheet is the description of the properties and applications of the ElectroTechCP™ CMO Anode System. The described properties and reported values may vary depending on the solicitude and processing on which we do not have any direct influence. Structural Technologies reserves the right to change the properties of its products. Users must always refer to the most recent issue of the product data sheet. The product data sheet does not contain a complete manual of use and application. Our advice and consultancy is required for the use of the ElectroTechCP™ CMO. The information above is believed to be accurate and represents the best information currently available to us.

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