

Product Datasheet: MMO Tubular Anodes

MMO Tubular Anodes are high quality, economical anodes ideal for use in soils, fresh water, brackish water and seawater. Light weight construction provides ease of handling and economy of shipping.

Tubular Anodes are manufactured using titanium ASTM B338 Grade 1 or Grade 2 coated with Mixed Metal Oxide. The MMO coating consists of $\text{IrO}_2/\text{Ta}_2\text{O}_5$ and is suitable for use in all cathodic protection applications. Mixed metal oxide anodes have an extremely low consumption rate; the titanium substrate remains constant throughout the design life of the anode.



STANDARD MMO PRODUCT FROM AE

Standard MMO anodes are configured to provide design outputs of 5 Amps or 2.5 Amps over a 20-year period in Loresco SC-3 backfill /Freshwater. The 2.5 Amp option is closer in output to a silicon iron anode. For seawater use the design life is 25 Amps for 25 Years or 30 Amps for 20 years due to the much lower resistivity of saltwater.

MMO anodes and cable tail connections carry a 10-year Anode Engineering warranty. Connections are fully encapsulated and resistance tested. PE/Nylon/PE cable is ideally suited to Australian service conditions; PE is generally tougher than PVC, more resistant to chlorine/acid attack and, in conjunction with Nylon, gives good Termite resistance. Anodes are provided with a heat shrink cable guard to protect against nascent chlorine gas damage to the cable/anode interface.

Cable tails in 6mm² and 16mm² of any length are available, see Page 2 for Part Number generator.

OPTIONS

In addition to our standard MMO anodes we are able to offer higher rated anodes, cannisterised anodes, special cables and configurations, anode hangers and junction boxes to meet custom project needs. MMO anode is also available in mesh, ribbon mesh, saw tooth, wire and bar configurations.

SHIPPING

While MMO tubular anodes are about 20 times lighter and far more robust than the Silicon Iron equivalent (21kg), tailed anodes and cables must be shipped in wooden crates to prevent mechanical damage in transit. Crating costs are quoted on a per order basis.

RELATED PRODUCTS available from Anode Engineering:

Loresco SC-3 Backfill, Test Point Assemblies, Cables, Thermoweld Charges & Molds, Permanent Reference Cells, Warning Tapes & Signs, Ground Bed Watering/Venting pipe, corrosion monitoring, Electrobraze equipment & consumables.

Part Number Generator

Anode Material	Type	Packaging	Cable Type	Cable Colour	Cable Size	Cable Length (m)
AET = Titanium Mixed Metal Oxide (MMO)	01 = 5A/20 Yr in Carbon L= 1500mm Dia = 25mm 02 = 2.5A/20Yr in Carbon L= 750mm Dia. = 25mm	00 - Unpackaged CA - Cannisterised 200mm Dia with Loresco SC-3	PNP - PE/Nylon/PE	BK - Black	06 - 6mm2 16 - 16mm2	Number of meters 01 to 99 required
<i>Select option code above and enter into box below to create Part Number</i>						
AET	xx	xx	xxx	xx	xx	xx

Example: MMO Anode c/w 5m of 6mm2 PE/Nylon/PE cable

AET 01 00 PNP BK 06 05

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