

MIXED METAL OXIDE ANODES TUBULAR TYPE

DATASHEET 1.10

MMO ANODES



Mixed Metal Oxide / Titanium Tubular Anodes are manufactured using titanium, which meets ASTM B338 Grade 1 or Grade 2 standards, which has been coated with Mixed Metal Oxide coating.

The coating consists of IrO₂/Ta₂O₅ and is suitable for use in all cathodic protection applications.

Because mixed metal oxide anodes have an extremely low consumption rate, the titanium substrate remains constant throughout the design life of the anode.

COKE, SOIL AND FRESH WATER	CURRENT OUTPUT	DESIGN LIFE
3/4" x 48" (19mm x 1,220mm)	7 Amps	To be specified by client.
1" x 19.7" (25mm x 500mm)	4 Amps	
1" x 39.4" (25mm x 1,000mm)	8 Amps	
1" x 48" (25mm x 1,220mm)	3.5 Amps *	
1" x 60" (25mm x 1,500mm)	4.5 Amps *	
1.25" x 48" (32mm x 1,220mm)	12 Amps	
* Current outputs are de-rated for use in metallurgical coke breeze - 50Am ²		
SEAWATER	CURRENT OUTPUT	DESIGN LIFE
3/4" x 48" (19mm x 1,220mm)	45 Amps	To be specified by client.
1" x 19.7" (25mm x 500mm)	25 Amps	
1" x 39.4" (25mm x 1,000mm)	50 Amps	
1.25" x 48" (32mm x 1,220mm)	75 Amps	
ENVIRONMENT	MAX CURRENT DENSITY	DESIGN LIFE
CARBONACEOUS BACKFILL	4.6A/ft ² (50A/m ²)	To be specified by client.
CALCINED PETROLEUM BACKFILL	9.3A/ft ² (100A/m ²)	
FRESHWATER	9.3A/ft ² (100A/m ²)	
BRACKISH WATER	9.3-27.8A/ft ² (100-300A/m ²)	
SEAWATER	55.8A/ft ² (600A/m ²)	



BAC[®]

CORROSION CONTROL

BAC Corrosion Control Ltd
Stafford Park 11 • Telford • TF3 3AY
United Kingdom

T: +44 (0) 1952 290 321
E: sales@bacgroup.com
W: www.bacgroup.com

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MMO/Ti Anodes can also be provided pre-packaged in canisters for ease of installation at site. Please specify as follows

- Size of canister
- Grade of backfill required
- Length of cable outside of canister

Tubular anodes are centre connected to the cable of your choice using either a compression interference fit connection, or BAC's centre crimp tube assembly, both of which give a low resistance and reliable connection.

Anodes can be design for a range of lifetimes and environments, the above figures are given for illustrative purposes. If you have a specific requirement please specify as follows :

Lifetime / Current Output / Electrolyte.



Strict quality control procedures are followed throughout the entire coating process, to guarantee proper coating adhesion and loading. Products are tested using to ensure production of the highest quality product, which is fundamental in every step of the manufacturing process.

APPLICATIONS

CANISTERED ANODES
ABOVE GROUND STORAGE TANKS
UNDERGROUND STORAGE TANKS
WATER STORAGE TANKS
HORIZONTAL GROUNDBEDS
TUBULAR AND SHEET PILES
VERTICAL GROUNDBEDS
DEEP WELL ANODE GROUNDBEDS

