

MMO RIBBON ANODE

Application

CTS supply MMO coated titanium anodes in the form of ribbon for the protection of the external bases of above-ground storage tanks. The anodes are suitable for joining to titanium conductor bar by spot welding to form a grid pattern under the tank which provides even distribution of current. The anodes are suitable for direct burial in fine sand without carbonaceous backfill.

Availability

T-1 anode has the following characteristics:

Width	6.35mm
Thickness	0.635mm
Surface Area	0.014m ² /m
Resistance	0.138 ohm/m
Weight	2.8 kg/152.4 m



Maximum current output per m is 42 mA based on a life of 50 years in soft sand.

The anode consists of a proprietary mix of Iridium and Tantalum oxides on a Titanium substrate conforming to ASTM specifications.

Note that product from other manufacturers may not have the same life characteristics and that the depth of anode placement should also be considered when calculating anode quantities.

For the Conductor Bar:

Material	Titanium ASTM B265 Gr. 1
Dimensions	12.7mm x 0.9mm
Resistance	0.0427 ohm/m
Weight	7.8kg/152.4m

Note:

The MMO coating and substrate are not considered to release hazardous chemicals during normal use. No MSDS is therefore required.

Quality Assurance

Strict quality procedures are followed throughout the coating process to ensure proper adhesion and loading. Each batch is subject to thorough testing including:

- Review of Mill certs for Titanium substrate
- Accelerated life testing in 150g/l H₂SO₄ at 15000A/m²
- Coating thickness verification with X-ray

CTS also supply spot welding machines and accessories.

Disclaimer

The information provided in this document was accurate at the time it was published, however, we reserve the right to revise this document without prior warning.