

# Mixed Metal Oxide Ribbon Anodes

## APPLICATION

Cathodic Protection for tank bases, with a clean washed sand base (no bitumen).

## STANDARD ANODE TYPES, DIMENSIONS & OUTPUTS

**Application** Tank bottom cathodic protection (in clean, washed sand)

Ribbon MMO Data



Substrate	Titanium ASTM B265 Grade 1
Coating	IrO <sub>2</sub> /Ta <sub>2</sub> O <sub>5</sub>
Coating method	Multi pass thermal decomposition of precious metal salts technique
Width (Nom)	0.25" (6.35mm)
Thickness (Nom)	0.025" (0.635mm)
Standard coil length	250' (76.22m)
Standard coil weight	2.5lbs (1.12kg)
Surface area of ribbon consumption rate	0.014m <sup>2</sup> /m 0.5 - 4.0mg/A/yr depending upon CP application conditions
Utilisation factor	Dimensionally stable
Working environment	Suitable for Cl <sub>2</sub> & O <sub>2</sub> or combination of both
Operating characteristics	Current Output in Sand 12.8mA/ft (42mA/m) when operating at a current density of 0.278A/ft <sup>2</sup> (3A/m <sup>2</sup> ). 30 year design life when operating at a current density of 0.278A/ft <sup>2</sup> (3A/m <sup>2</sup> ).
<b>Titanium conductor bar</b>	Width: 0.50" (12.7mm); Thickness: 0.035" (0.9mm) Coil length: 250' (76.22m); Coil weight: 8.5lbs (3.8kg)
Substrate	Titanium ASTM B265 Grade 1