

## TECHNICAL DATA SHEET: NMT.15C

### MIXED METAL OXIDE ACTIVATED 1.5mm DIA TITANIUM WIRE ANODE FOR CATHODIC PROTECTION DESIGN LIFE 20 OR 30 YEARS

**Product Code:** MMO/Ti/Wire/1.5/20/30

**Activation:** Noble Mixed Metal Oxides consisting of IrO<sub>2</sub> and Ta<sub>2</sub>O<sub>5</sub>

**Substrate Material:** Titanium to ASTM Grade 1 or 2 Chemical Composition

**Working Environment:** Evolution of O<sub>2</sub>, Cl<sub>2</sub> or a combination of both

#### Nominal Dimensions of 1.5mm Dia MMO/Ti/Wire Anode:

<b>Diameter</b>	1.5mm (0.0625 inches)
<b>Standard Coil Length</b>	100m (328ft)
<b>Standard Coil Weight</b>	1.75kgs
<b>Surface Area</b>	of 1.5mm Dia MMO/Ti/Wire Anode: 0.005m <sup>2</sup> per m
<b>Current Output of Wire</b>	0.5A per m when operating at an anode current density of 100A/m <sup>2</sup>

**Design Life:** 20 or 30 years when operating at an anode current density of 100A/m<sup>2</sup> in calcined petroleum coke or fresh water.

**Internal Resistance:** 0.136Ω per m

**Coating Loading:** Sufficient in g/m<sup>2</sup> to achieve 20 or 30 year design life at an anode current density of 100A/m<sup>2</sup> in calcined petroleum coke or fresh water.