

## TECHNICAL DATA SHEET: NMT19

### PLATINISED TITANIUM ACTIVATED 3mm DIA TITANIUM WIRE ANODE FOR CATHODIC PROTECTION DESIGN LIFE 20 OR 30 YEARS

**Product Code:** Pt/Ti/Wire/3/20/30

**Activation:** Platinum

**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 3mm Dia Pt/Ti Wire Anode:

**Diameter** 3mm (0.125 inches)

**Standard Coil Length** 100m (328ft)

**Standard Coil Weight** 3.2kgs

Surface Area of 3mm Dia Pt/Ti Wire Anode: 0.01m<sup>2</sup> per m

Current Output of Wire: 1A 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.

**Coating Loading:** Sufficient platinum thickness 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.