

TECHNICAL DATA SHEET: TELPRO.15

MIXED METAL OXIDE ACTIVATED 3mm DIA Ti/Cu TITANIUM WIRE ANODE FOR CATHODIC PROTECTION DESIGN LIFE 20 OR 30 YEARS

Product Code: MMO/Ti/Cu/Wire/3/20/30

Activation: Noble Mixed Metal Oxides consisting of IrO₂ and Ta₂O₅

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

Working Environment: Evolution of O₂, Cl₂ or a combination of both

Nominal Dimensions of 3mm Dia MMO/Ti/Cu Wire Anode:

Diameter 3mm (0.125 inches)

Standard Coil Length 100m (328ft)

Standard Coil Weight 5.88kgs

Surface Area of 3mm Dia MMO/Ti/Cu Wire Anode: 0.01m² per m

Current Output of Wire: 1A per m when operating at an anode current density of 100A/m²

Design Life: 20 or 30 years when operating at an anode current density of 100A/m² in calcined petroleum coke or fresh water.

Internal Resistance: 3.4 mΩ per m

Coating Loading: Sufficient in g/m² to achieve 20 or 30 year design life at an anode current density of 100A/m² in calcined petroleum coke or fresh water.