

TECHNICAL DATA SHEET: TELPRO.18

MIXED METAL OXIDE ACTIVATED 8mm DIA Ti/Cu TITANIUM ROD ANODE x 1000mm LONG FOR CATHODIC PROTECTION DESIGN LIFE 60 YEARS IN SEAWATER

Product Code: MMO/Ti/Cu/Rod/8/1000/SW

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 in seawater

Nominal Dimensions of 8mm Dia MMO Ti/Cu Titanium Rod Anode:

Diameter 8mm (0.315 inches)

Length 1000mm (3.28ft)

Weight Approx. 0.212 kg

Surface Area of 8mm Dia MMO Ti/Cu Titanium Rod Anode x 1000mm: 0.025m²

Current Output of 8mm dia x 1000mm Anode when operating at 200A/m²: 5A

Design Life: 60 years when operating at 5A in seawater

Attenuation in current density when connected at one end in 20 ohm.cms seawater—less than 1%

Internal Resistance of a 1m length of anode rod: approx. 0.39 milliohms/m

MMO Anode supplied as a bare rod with cable attachment by others – anode to cable contact resistance to be less than 0.001 ohms.