

TECHNICAL DATA SHEET: NMT.14

MIXED METAL OXIDE ACTIVATED TUBULAR POINT SOURCE ANODE FOR USE IN CONCRETE

Activation: Noble Mixed Metal Oxides consisting of IrO₂ and Ta₂O₅

Substrate Material: Titanium to ASTM Grade 1 or 2

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

Dimensions of Tubular Point Source Anode:

Diameter	19mm or 25.4mm as standard – other sizes on request
Thickness	0.9mm as standard – other sizes on request
Length	To suit required current output and structure geometry – typically 25mm to 500mm
Current Output of Anode	Calculated by multiplying Anode surface Area x Design Current Density which typically can vary from 110mA/m ² to 900mA/m ² subject to design considerations such as gas venting, acidic attack on concrete, life of system etc.

Nominal Design Life: Typically 50+ years when operating at an anode current density of 900mA/m² – coating loading can be adjusted for any combination of current output and design life

Anodes can be self gas venting or supplied with venting holes, plastic end-caps and a PVC venting tube

Anodes can be supplied with a spot welded Ti Conductor bar, typically of Ti Ribbon 6.35mm x 0.635mm, uncoated or coated, of length to suit project requirements