

## TECHNICAL DATA SHEET: NMT.07

### RIBBON ANODES FOR USE IN FINE SAND AND CONCRETE

**Product Code:** NMT/MMO/Ti/Ribbon/Fine/Sand/Concrete

**Activation:** Noble Mixed Metal Oxides consisting of  $\text{IrO}_2$  and  $\text{Ta}_2\text{O}_5$

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

**Working Environment:** Evolution of  $\text{O}_2$ ,  $\text{Cl}_2$  or a combination of both

#### Nominal Dimensions of Solid Ribbon:

<b>Width:</b>	6.35mm (0.25 inches)
<b>Thickness:</b>	0.635mm (0.25 inches)
<b>Standard Coil Length:</b>	76.22m (250 ft)
<b>Standard Coil Weight:</b>	1.12kgs (2.5 lbs)
<b>Surface Area of Ribbon:</b>	0.014m <sup>2</sup> per m

**Current Output of Ribbon in Fine Sand:** 42mA per m (12.8mA/ft) when operating at an anode current density of 3A/m<sup>2</sup> (0.278 A/ft<sup>2</sup>)

**Design Life:** 50 years + when operating at an anode current density of 3A/m<sup>2</sup> (0.278A/ft<sup>2</sup>)

**Current Output of Ribbon in Concrete:** 1.5mA per m (0.45mA/ft) when operating at an anode current density of 100A/m<sup>2</sup> (10.19mA/ft<sup>2</sup>)

**Design Life:** 100 years + when operating at an anode current density of 110 A/m<sup>2</sup> (10.19mA/ft<sup>2</sup>)