

# PYRAMID ANODES

NMT® Electrodes Pyramid Anodes are manufactured using titanium which meets ASTM B265 Grade 1 or 2 standards.

NMT® Electrodes' Mixed Metal Oxide coatings are electrically conductive which activates the titanium tube allowing it to function as an anode.

NMT® Electrodes Mixed Metal Oxide Anodes have an extremely low consumption rate, therefore, the titanium substrate remains nearly constant throughout the design life of the anode. This provides a consistently low resistance anode.

NMT® Electrodes Mixed Metal Oxide Anodes exhibit high chemical stability even when exposed to low pH (acidic) environments and are suitable for use in chlorine- or oxygen-evolving electrolytes or a combination of both.

**PLEASE NOTE THAT NMT® ELECTRODES ONLY PRODUCES THE ANODE (MMO-COATED TITANIUM) COMPONENT OF THE COMPLETED PYRAMID ANODE.**

The Pyramid Anode consists of a four-vented titanium substrate coated in a mixed metal oxide,  $\text{IrO}_2/\text{Ta}_2\text{O}_5$ , conductive film (top picture) mounted on a high-density waterproof concrete pyramid (second picture) to provide negative buoyancy and sea-bottom stability. Water seals are designed to established engineering principles and do not rely upon the dubious effectiveness of fillers, mastics resins and the like.

The anode, when fully assembled with special double-armoured insulated cable, requires only the installation contractor to lower the anode onto the seabed and terminate the onshore end of the cable, resulting in minimal installation time, and further cost savings.

Applications for NMT® Electrodes Mixed Metal Oxide Pyramid Anodes include use in platforms, sheet piling, jetty piles and all similar offshore facilities.

## ADVANTAGES

- Low cost
- Dimensionally stable

## NOTES:

- Pyramid Anode setup is as per drawing. For more information please refer to data sheets

