PLATINIZED TITANIUM ANODES

The substrate, usually titanium, is chemically resistant and mechanically robust. The substrate is activated by platinum coating. The coating has excellent electrocatalytic properties. The evolution of oxygen and chlorine and/or mixtures of the two gases is therefore achieved at low stable anode potential.

Composition

Anode comprises of a thin layer of platinum coated on titanium substrate.

Type of Anodes

Anodes are available in all shapes and forms including the following:

Rods, Wires, Tubes, Discs, Sheet, expanded mesh, strip and are custom made to the customer application and requirements.

Copper Cored Anodes are also available.

Applications:

- Internal Cathodic protection of tanks, condensers, pipelines & heat exchangers.
- External Cathodic protection of shiphulls, platforms, piers, dams, offshore structures & powerstation-inlets
- Buried structures (used with carbonaceous backfill)
- Tank bottom protection

Platinized Niobium Anodes – ICCP System

In modern ICCP-systems, Titanium and Niobium anodes are used. To realise a continuous current electrical conductivity and a long lifetime, the anodes are applied with a thin layer of Platinum.

The composition and thickness of these coatings determine the working and the lifetime of the ICCP-systems. The construction, the electrical output, current density and the characteristics of the electrolyte (freshwater, seawater, etc.) determine the size and shape of the anodes

Frequently employed applications

- Internal Cathodic protection of storage tanks, condensers, pipes, pipelines, heat exchangers and boilers.
- External Cathodic protection of pipelines, ship hulls, platforms and other offshore constructions, piers, dams and cooling water inlet parts of power stations.
- Tank bottoms.

We can provide this product to your specification and requirements

IMPRESSED CURRENT ANODE

Platinized Titanium Anodes

Niobium Anodes

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