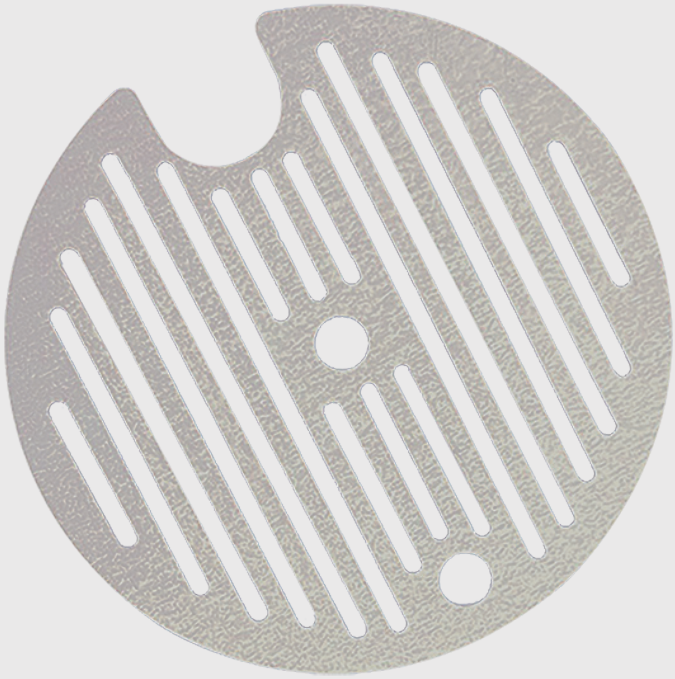
YUXI



# PLATINUM COATED TITANIUM PLATE ELECTRODE FOR HYDROGEN RICH WATER KETTLE

PRODUCT DATA SHEET

AMPP CORPORATE MEMBER

www.yuxi-anode.com

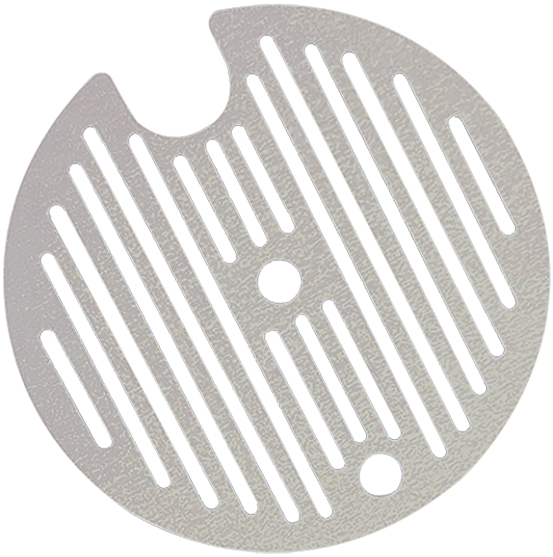
# Platinum Coated Titanium Plate Electrode for Hydrogen Rich Water Kettle

As a well-known manufacturer and distributor of high quality electrode materials, YUXI offers high quality platinum coated titanium plates in various styles and sizes.

## QUALITY SUBSTRATE MATERIAL

Our electrodes are manufactured from high-tensile titanium, which meets commercially Grade I/II standards.

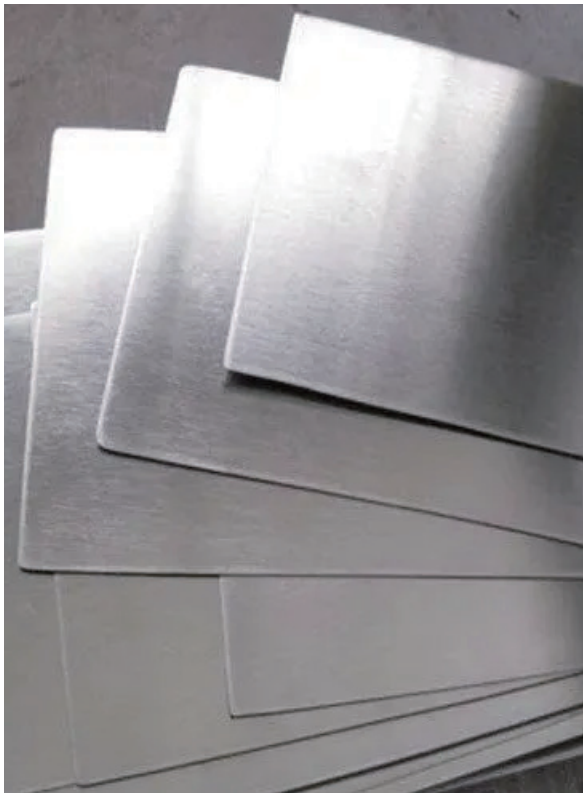
| Element | Grade I | Grade II |
|---|---|---|
| Iron(Fe) | 0.20% max. | 0.30% max. |
| Carbon(C) | 0.08% max. | 0.08% max. |
| Nitrogen(N) | 0.03% max. | 0.03% max. |
| Hydrogen(H) | 0.015% max. | 0.015% max. |
| Oxygen(O) | 0.18% max. | 0.25% max. |
| Single Impurity(Each) | 0.10% max. | 0.10% max. |
| Other Impurities(Total) | 0.40% max. | 0.40% max. |
| Titanium(Ti) | Remainder | Remainder |



## LONG SERVICE COATING

Using state-of-the-art technology, the titanium base is taken to a high temperature ( ≥1200 °C) in a vacuum sintering furnace ensuring total adhesion of the coating. Thus, the coating consumption rate is extremely low and uniform, measured in milligrams per ampere-year.

| Technical Measurement | Performance |
|---|---|
| Coating Element | Platinum (Pt) |
| Coating Thickness | 0.5~5 μm |
| Coating Uniformity | 85% min. |



## WORKING ENVIRONMENT

| Technical Measurement | Performance |
|---|---|
| Current Density | 10000 ~20000 A/m² |
| Operating Voltage | DC 1.8~2.5V |
| pH Range | 1~12 |
| Temperature | 50°C ~ 80°C |
| Fluoride Ion Content | < 50 mg/L |

E-mail: info@yuxi-anode.com | Tel: +86 (574) 83882233 | Web: www.yuxi-anode.com

Copyright © 2023 ZHEJIANG YUXI CORROSION CONTROL CORPORATION — All rights reserved.

# Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheeps with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.

Go to Our Web

Follow Us on LinkedIn

YUXI

www.yuxi-anode.com

5/F, Building No.4,
1819 Yongmao East Road,
Ningbo 315201, China

**E-mail:** info@yuxi-anode.com
**Tel:** +86 (574) 83882233
**Fax:** +86 (574) 83882238