



**SOLUTIONS FOR BIPOLAR
PLATES FOR FUEL CELLS**
CLAD MATERIALS & SPECIAL ALLOYS

Thin, reliable and dimensionally stable

Fuel cells offer the potential of emission-free power generation for stationary and transportation applications. Clad materials and functional special alloys (e.g. Ti) are the perfect solution to meet the demanding requirements of modern fuel cells.



Titanium
Stainless Steel
Titanium



Stainless Steel
Copper
Stainless Steel



Titanium

Further combinations
and metals possible.

Advantages:

- › Increase of corrosion resistance
- › Uniform performance
- › Uniform current
- › Avoidance of hotspots due to faster and more uniform heating
- › Extension of product lifetime
- › Increase of stability due to stainless steel
- › Depending on the medium, titanium, nickel or other metals can be selected as corrosion protection

PORTFOLIO WICKEDER GROUP

- › Clad Materials › Bimetals › Nickel Strips › Metal Foils
- › Photochemical Etching › Sheet Metal Working › Waterjet Cutting
- › Electroforming › Parylene Coating › Materials Engineering etc.

