

## CLAD METALS FOR FUEL CELL SYSTEMS

### An alternative to Other Coating Technologies offering:

- Limitless selection of substrate and coating alloys
- Multiple layers (2-12) with thickness ranging from microns to mm.
- Ductile, pore-free coatings
- No need for nickel underlayers
- Overall gauge: .002" - .100"

### Substrate Materials:

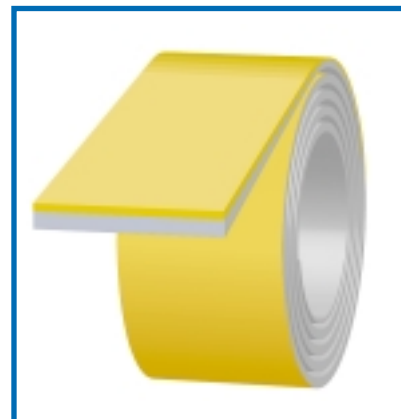
- 300 Series Stainless Steels
- Aluminum and aluminum alloys
- Copper and copper alloys
- Titanium
- Tantalum
- Niobium

### Coating Materials:

- Pure noble metals - Au, Pt, Pd, Ag
- Alloyed noble metals - Au + Pt + Pd + Ag + ....
- Aluminum
- Copper
- Brazing or soldering alloys
- Any ductile metal

### Applications:

- Membranes
- End plates
- Seals; corrosion caps



This is only one example of a Gold-Stainless Steel material system used in fuel cells. Other material systems are available. Call to discuss the right system for your application!

For more information on your specific application, please visit [www.technicalmaterials.com](http://www.technicalmaterials.com) or call our technical customer service department at 1.800.241.2523.

