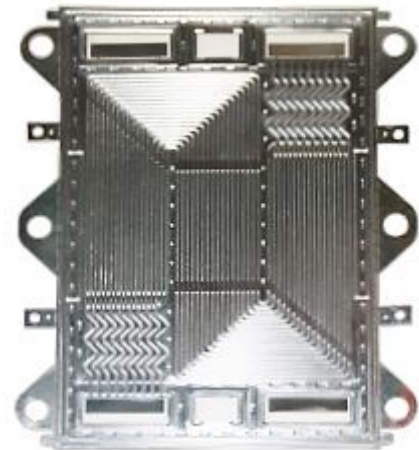


cerid multi-ox

Characteristics - The cerid multi-ox coating has already been applied to over 500,000 stainless steel bipolar plates in PEM fuel cells and is currently in automotive series production. The coating system is high-performance, has high corrosion protection and very good conductivity. In addition to the classic mobile and stationary applications, cerid multi-ox is particularly suitable for applications in which very high-power density and reliability are required in a very small space, e.g. in the aerospace industry.



Application examples:

- Fuel cells
- Electrolysers

Product specific advantages:

- High corrosion resistance & passivation protection
- High electrical conductivity
- Serial experience

Technical specifications

coating material	titanium base
average layer thickness	> 200 nm
colour	silver – grey
contact angle*	ca. 80 °
coating adhesion*	> 100 PSI
interfacial contact resistance*	< 10 mΩcm (at 140 N/cm ²)
FDA approval	not approved

Remark - The information provided in this data sheet is based on current technical knowledge and experience. No legally binding assurance of specific properties or suitability for a specific application can be derived from this information.

* Determined in laboratory tests under specified conditions on prepared substrate sheets