

special coatings

cerid Precious Metal

characteristics – This cerid coating system is particularly corrosion-resistant and has very high electrical conductivity. Typical applications include the production and utilization of hydrogen. “cerid Precious Metal” is especially suitable for applications that require very high power densities and reliability. The system has already been proven in series production on more than 500,000 bipolar plates and PTLs. Available with an optional titanium-based underlayer if required.



application examples:

- electrolyzers & fuel cells
- catalytic coatings
- sensors
- electrodes for water treatment

product-specific advantages:

- high corrosion resistance & strong passivation protection
- high electrical conductivity
- series-production experience

technical specifications

coating material	precious metals as Pt, Ir, Au
coating thickness	5 – 50 nm
colour	material-specific
specific electrical resistance*	< 10 mΩcm (at 140 N/cm ²)

Note: The specifications indicate the possible range and can be adjusted to suit the specific application.

Remark - The information in this data sheet is based on current technical knowledge and experience. It does not constitute a legally binding guarantee of specific properties, nor does it imply suitability for a particular application..

* Determined in laboratory tests under defined conditions on a prepared substrate sheet