

cerid[®] multi-ox



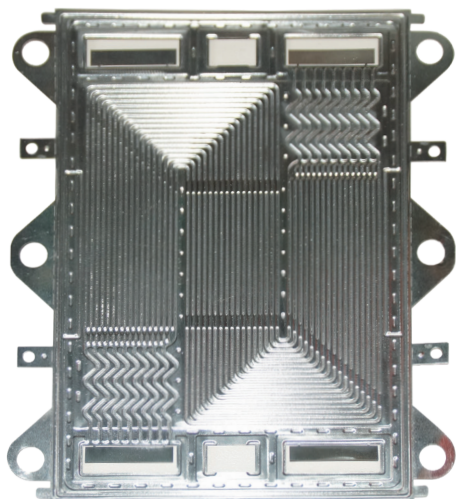
surface
technologies

aalberts

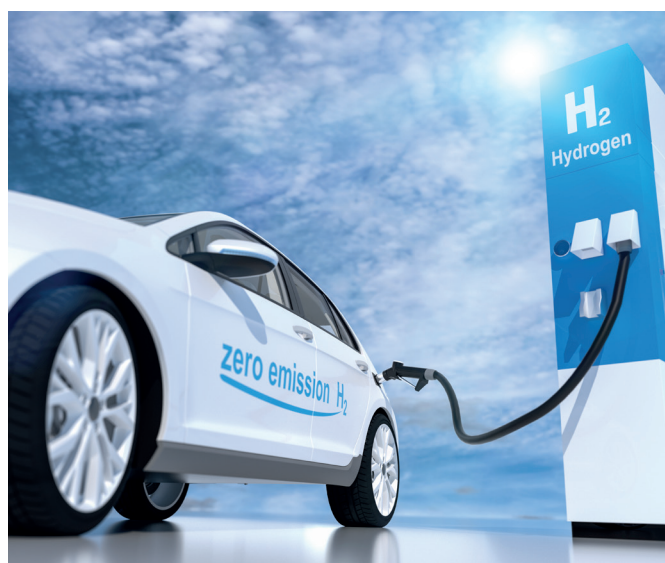
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Aalberts surface technologies is among the leading PVD coating providers for metallic bipolar plates and other components in PEM fuel cells and electrolyzers. Using our special in-line equipment, we are able to realize these coatings in series quantities in a cost-efficient way. Our cerid[®] multi-ox coating has already been applied to more than 500,000 stainless steel bipolar plates and is currently being used for series productions in the au-

tomotive sector. Our coating system is extremely powerful, comes with high corrosion protection and features very high conductivity. Apart from the classic mobile and stationary application possibilities, cerid[®] multi-ox is particularly suitable for applications in which very high output density and reliability are required in the smallest of spaces, as is the case, for example, in the aerospace industry.



Bipolar plate coated with cerid[®] multi-ox



cerid [®] multi-ox	performance characteristics	
Process details	Coating thickness: > 200 nm Contact angle: approx. 80° Coating adhesion: > 100 PSI	Specific electrical resistance: < 10 mΩcm at 140 N/cm ² Color: silver gray

Please do not hesitate to contact us if you need advice!

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