

special coatings

cerid 45N

characteristics – The cerid 45N coating has proven itself as a wear-resistant coating for decades on more than 150,000 implants. The titanium-niobium-based coating is bio-compatible and corrosion-resistant.

application examples:

- medical implants
- surgical instruments
- grinding discs

product-specific advantages:

- high corrosion resistance
- high wear protection
- biocompatibility
- decorative surfaces



technical specifications

coating material	titanium niobium nitride
coating thickness	1 – 8 µm
colour	pale gold
hardness*	2000 – 3000 HV
operating temperature	< 500 °C
FDA approval	depending on application

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