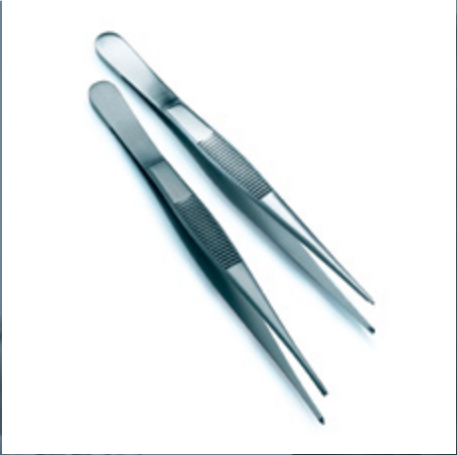
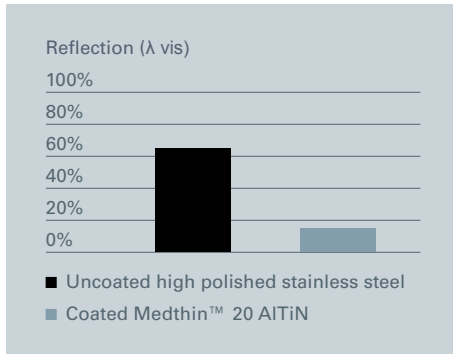


MEDTHIN™ 20



Medthin™ 20 AlTiN



Excellent antireflection coating for instruments

Medthin™ 20 AlTiN is widely used for the coating of medical instruments due to its anti-glare properties, superior adhesion, low wear and high scratch resistance properties and its excellent chemical barrier function.

The low light reflection properties help reducing surgeons' eye fatigue during surgeries.

This coating shows excellent life time records under the toughest conditions expected from medical instruments.

Field experience proves that Medthin™ 20 AlTiN withstands over thousand cleaning and sterilization cycles without any signs of damage. Medthin™ 20 AlTiN can be sterilized by means of any commonly available technique.

Medthin™ 20 AlTiN is deposited at temperatures between 150°C and 450°C. This wide range of temperatures allows for a variety of instrument materials to be coated below the respective tempering and annealing temperature which ensures that no softening or geometrical changes will occur.

Alternatively Medthin™ 33 CrCN or Medthin™ 42 and 43 DLC can be applied.

medical@ionbond.com | www.ionbond.com

Technical data

Material	AlTiN
Light reflection reduction	70%
Hardness HV 0.05	2800 - 3600
Coefficient of friction	0.4
Adhesion tested	>60N
Typical thickness	2 – 6 μm
Deposition process	PVD Arc
Process temperature	150 – 450°C
Color	grey-black