

BALIMED ANTHRACITE SATIN

Glare free, long lasting and extremely sharp
– designed to make surgeries easier



Medical



BALIMED ANTHRACITE SATIN – the next generation of biocompatible coatings

BALIMED™ ANTHRACITE SATIN provides superior hardness, sharper cutting-edges on surgical instruments and excellent wear resistance over a long time, even after multiple autoclave cycles. Thus, the coating not only significantly extends the lifetime of instruments but also

contributes to a quicker recovery of patients as it allows wounds to heal faster. In addition, the anti-glare properties of BALIMED™ ANTHRACITE SATIN, with its matte finish that does not require pre-coating texturing, greatly facilitate the surgeon's work.

Proven resistance of wear, abrasion and corrosion

BALIMED ANTHRACITE SATIN is resistant to at least 50 autoclave and cleaning cycles in SS 1.4404 substrates.

- No signs of corrosion detected
- Uniform color and thickness distribution

Outstanding coating properties ...

	BALIMED® ANTHRACITE SATIN
Coating material	AlTiN*
Coating hardness H_{IT} [GPa]	≥ 20
Coefficient of friction (dry)	0.4-0.5
Process temperature [°C]	250-300
Coating thickness [µm]	3-4
Coating temperature [°C]	< 150
Coating colour	black / anthracite

* BALIMED ANTHRACITE SATIN is composed of a monolayer of AlTiN coating

All given data are approximate values and depend on application, environment and test conditions.

... for challenging applications

- Bone repositioning instruments
- Micropituitary rongeurs
- Dental instruments



Cytotoxicity

MEM Elution, 48 hours
L929, 24 h ext | USFDA 21 Part 58

All our coating centres hold the ISO 9001 certification. Our coating centres in Antzuola/Spain, Balzers/Liechtenstein, Brugg/Switzerland, Cluses/France and Elgin/USA are specialised in coating medical products and are specifically certified for ISO 13485.

**You want to learn more about how we can improve your business?
Contact us now!**

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