



SANPURE®
Antimicrobial
coating

*NanoTechnology
for excellent surfaces*



The **SANPURE®** coating combines the excellent features of sol-gel coatings with the antimicrobial qualities of silver nanoparticles. That way, the reproduction of dangerous, multi-resistant germs can be reduced lastingly and safely. The agent **AGPURE®** nanosilver is registered according to EU 528/2012 (No. N-29919, No. N-29916).

gbneuhaus.de

sales@gbneuhaus.de



SANPURE®

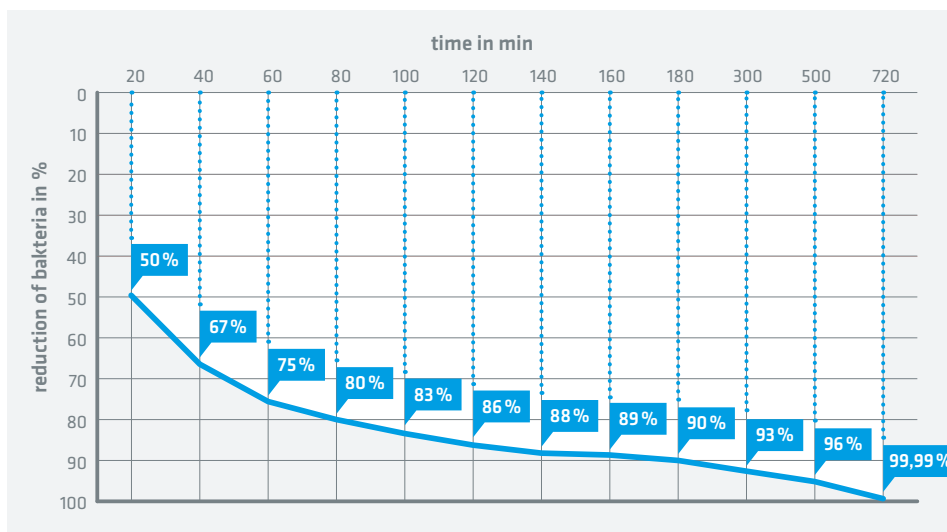
Antimicrobial coating

SUBSTRATES

- » **plastics** (polycarbonate, ethylene tetrafluoroethylene or polycarbonate films)
- » **glass** (borosilicate glass, soda-lime glass, quartz glass a.s.o.)
- » **metals and alloys** (e. g. steel, aluminium, copper, brass)

PROPERTIES

- » **reduces the reproduction of dangerous germs between cleaning cycles**
- » **maximum temperature load: 200 °C**
- » **film thickness from 150 up to 1.500 nm**
- » **lifelong antimicrobial effectiveness** (according to ISO 22196 / JIS Z 2801:2010; significant antimicrobial)
- » **physiologically harmless** (biocompatibility according to DIN EN ISO 10993-5)
- » **abrasion-resistant** (according to DIN EN 60068-2-70; minimum 100,000 cycles)
- » **scratch-resistant** (scratch hardness according to DIN EN ISO 1518: up to 20 N; pencil hardness according to DIN EN ISO 15184: up to 10 H)
- » **abrasive hardness** (cross-cut test according to DIN EN ISO 2409)
- » **no change in haptic and optic quality of substrates**
- » **chemical-proof to customary detergents and disinfection methods**
- » **transparent, individually coloured on request or proof of presence by fluorescence particles**
- » **mechanically flexible**



TECHNOLOGY

- » **dip coating or spraying**
- » **application process is defined individually according to geometry and requirements of the substrate**

COATING

- » **certified according to REACH and RoHS**
- » **certified according to ISO 9001:2015; processes comply with IATF 16949**
- » **environmental management conforms to ISO 14001**

SANPURE® is a registered trademark of RAS AG and GBneuhaus GmbH.
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GBneuhaus GmbH
Am Herrnberg 10
98724 Neuhaus | Germany
phone: +49 3679 726030
fax: +49 3679 726033

sales@gbneuhaus.de