

# Product Information Sheet

<b>Specification</b>	
<b>Chemical basis:</b>	a modified silica created a non-migrating antimicrobial glass layer
<b>Layer thickness:</b>	Ca.150-300nm
<b>Water resistance:</b>	slightly hydrophobic
<b>Temperature Stability:</b>	slightly hydrophobic
<b>Chemical Stability:</b>	solvent-resistant
<b>Weatherproof:</b>	200h according to ISO 11507 A (corresponds to circa 3-4 years)
<b>Resilience: (mechanical)</b>	Glass, ceramic > 40.000 cycles according to ISO 11998 (cleaning with water) Noble metals > 20.000 cycles according to ISO 11998 (cleaning with water) Plastics > 5.000 cycles according to ISO 11998 (cleaning with water)
<b>Salt Water resistant:</b>	yes
<b>Transparency:</b>	100%
<b>Storage stability:</b>	1 year
<b>Temperature Sensitivity:</b>	3 to 40°C
<b>Wastage:</b>	1 x cleaning and polymerizing wipe + 1 x activating wipe for up to 3m <sup>2</sup>

## Product Safety

Usage	2 part liquid glass solution: surface prep & surface guard. Spray and wipe application
Recommended date for further treatments:	12 months after application or if the coating as been compromised by heavy abrasive cleaning
Possible side effects and instructions for first aid:	According to regulations the formulation is not considered as dangerous or hazardous. There are no known side effects.
Extensive usage:	Consider limitation and monitoring of exposure in the workplace in the workplace.
Personal Protection Equipment (PPE)	Not necessary for normal usage.
Disposal instructions:	P501: Content and packaging need to be disposed in accordance with the local regulations
Storeability:	12 months
Onset of effect:	Antimicrobial effect becomes active one hour after application
Drying time / curing:	The advised drying time for the application to when contact is recommended for humans or animals to the treated surface: 6 Hours

## Compatible surfaces

NanoGuardX can be used on these surfaces:

- Glass
- Ceramics
- Oxidation resistant metals
- Plastics, made from e.g. PMMA, ABS, ECTFE, HDPE, LDPE, PA, PC, PMP, PP, PS, PVC, SAN or SI
- Varnishes
- Printed cardboards and wrapping

## Incompatible surfaces

Our products CANNOT be used on these surfaces:

- Surfaces in contact with foods
  - Water-sensitive surfaces, such as e.g. paper
- If you're unsure whether our products are suitable for any surface, please do not use it.

Registered non-dangerous goods according to ADR and IATA For the safe