



Product Information Sheet

Liquid Guard®

Specification

Chemical basis: a modified silica created a non-migrating antimicrobial glass layer

Layer thickness: Ca.150-300nm

Water resistance: slightly hydrophobic

Temperature Stability: 150 degree Celsius

Chemical Stability: solvent-resistant

Weatherproof: 2000h according to ISO 11507 A (corresponds to circa 3-4 years)

Resilience: (mechanical) 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)

Salt Water resistant: yes

Transparency: 100%

Storage stability: 1 year

Temperature Sensitivity: 3 to 40°C

Wastage: 1 x cleaning and polymerizing wipe + 1 x activating wipe for up to 3m²;



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Application: step 1 use the cleaning and polymerising wipe (LIQUID GUARD® clean and primer wipe) to degrease and clean the surfaces thoroughly. Only in case of extreme contamination (or limescale) should a pre-cleaner for the specific type of contamination be used. After the liquid has evaporated (circa 5 min at normal room temperature) a polymer layer is formed.

step 2 to activate the polymer layer so it becomes antimicrobial, wipe it over with the activating wipe (LIQUID GUARD® wipe) thoroughly as per step 1.

step 3 after 2 minutes the surface should be buffed using the microfiber wipe until all visible streaks disappear. A thorough polishing will be necessary, especially on transparent or shiny surfaces.

After 6 hours the coating is hardened and ready for use.

Compatible surfaces

Liquid Guard® 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.

LIQUID GUARD® clean + primer wipe and LIQUID GUARD® wipe are registered non-dangerous goods according to ADR and IATA For the safe handling of LIQUID GUARD® please see the safety instructions for each component, as well as the information flyer concerning the LIQUID GUARD® wipe agent.