

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 150 degree Celsius

Stability:

Chemical solvent-resistant

Stability:

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

Resilience: Glass, ceramic > 40.000 cycles according to ISO 11998 (cleaning with water)

(mechanical) 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 3 to 40°C

Sensitivity:

Usage: Wipes: 1 x cleaning and polymerizing wipe + 1 x activating wipe for up to 3m²

Spray: Approximately 10ml/m² for Cleaner + Primer and Liquid Guard spray

Application: step 1 use the cleaning and polymerising wipe/spray (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)/Liquid Guard spray thoroughly as per step 1.

step 3 after 2 minutes the surface should be buffed using the microfiber wipe/cloth 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/ spray and LIQUID GUARD® wipe/spray are registered non-hazardous 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/spray agent.

