

7675 Duo Glass-Metal, PFAS-free

Premium coating for non-absorbent / hard surfaces

Product Sheet

1. GENERAL PRODUCT DESCRIPTION

7675 is a ready-to-use, alcohol-based coating for non-absorbent or hard surfaces such as glass, ceramics, stainless steel, aluminium and other metals and plastics. It creates an ultra-thin, transparent easy-to-clean layer that significantly reduces the adhesion of dirt, limescale and oil.

The coating has an antimicrobial, repels water and dirt without changing the surface appearance. It is ideal for applications in bathrooms, kitchens, the healthcare sector and public spaces.

2. PROPERTIES

- Suitable for almost all non-absorbent surfaces
- Easy to use
- Surfaces are easy to clean
- Biostatic (prevents microbial growth)
- Surfaces stay clean for longer
- Dirt adheres significantly less
- Dirt can be easily removed with water
- Water and other liquids bead off
- Ideal for bathrooms, healthcare areas and public buildings
- Food-safe - tested in accordance with EU Regulation 10/2011
- Colorless
- Layer thickness: approx. 100 nm
- Inorganic

3. PRODUCT SPECIFICATIONS AND CHEMICAL PROPERTIES

Property	Value
Basis	Silicon Dioxide (SiO ₂) base, alcohol-based
VOC Content	99 % (780 g/l)
Flash Point	20 °C
Layer Thickness	appr. 100 nm
Density	appr. 0,79 g/cm ³
Odour	Alcoholic
Colour	colourless
Consumption	appr. 4–10 ml/m ² (= up to 250m ² per litre)
Shelf life of the liquid	12-18 months
Storage	+5 °C to +25 °C (0–40 °C possible for short periods)
Shelf life of the coating	Up to 2 years, depending on abrasion

4. PFAS-INFORMATION

7675 does not contain any PFAS (per- and polyfluoroalkyl substances), including PFOS and PFOA. The oil and dirt-repellent effect is achieved completely without fluorochemicals. The product therefore fulfills the highest standards of sustainability and legal requirements - also with regard to the EU Regulation 2024/2462.

5. APPLICATION & PROCESSING

Preparation of the surface:

- Thoroughly clean the surface to be treated - free of dust, dirt & grease.
- After cleaning, rinse thoroughly with clean water and dry.
- Then degrease again with alcohol (e.g. isopropanol) so that surfactant residues are also removed.
- The surface must be completely dry, clean and free of grease before application.

Application:

- Apply only at temperatures between +5 °C and +50 °C.
- Spray the liquid onto a lint-free cloth (e.g. smooth microfibre cloth, 'pressed quality') and apply evenly onto the surface.
- The alcohol in the liquid will have evaporated after a few minutes and the cross-linking of the coating begins. Do not touch the surface for at least 15 minutes.
- Then polish with a soft microfibre cloth to remove any streaks.
- The surface can be lightly used after approximately 1 hour. Full curing is achieved after 24 hours at room temperature.

Functional test:

- After 24 hours of curing, the effectiveness can be tested using a drop test.
- If water visibly beads off (lotus effect), the coating has been successfully activated.

6. CLEANING AND CARE

Aggressive cleaners are no longer necessary. Surfaces can simply be cleaned with a mild cleaner (e.g. CCM Bio-Cleaner Biosativa®). Regular cleaning prolongs the effect.

7. QUALITY STANDARDS - TESTS

- TÜV MSZ ISO 18593:2008 - Microbiological test
- TÜV MSZ 9640/41:1983 - Scratch hardness (ball bar)
- TÜV ISO 15184:2013 - Pencil hardness test
- Sessile drop method - Contact angle, surface tension
- DIN 51 155 - Impact test
- TÜV ICP-MS / XRF - RoHS conformity
- ASTM D 3363 / BS 3900-E19 - Hardness test
- ISO 10993-1 – Biocompatibility
- ASTM E 2180-07 - Antimicrobial effect
- ISO 9001 - Antibacterial testing
- Martens / Vickers - Hardness testing (e.g. on mobile phone displays)
- Radiation test on mobile devices



8. PACKAGING UNITS & VARIANTS

- 1 litre bottle (7675-1)
- 200 litre drum (7675-200)
- 1000 L IBC (7675-1000)

Concentrate version (7678) with 1:120 dilution available separately.

9. SAFETY & TRANSPORT

Hazard labelling according to CLP:

- GHS02 – Flammable
- GHS07 - Irritant

Hazard statements:

- H225 - Highly flammable liquid and vapour
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness

10. TRANSPORT

UN No.: 1219 - ISOPROPANOL (packing group II)

The regular dangerous goods regulations (ADR/IMDG/IATA) apply to liquid containers.

Special provision A46 in IATA DGR applies to sachets (individually wrapped impregnated wipes), a special provision: Not subject to ADR, as it is a 'sealed package containing less than 10ml of a flammable liquid of packing group II or III, completely absorbed in a wipe'.