

673 Universal NA, PFAS-free

Premium coating for non-absorbent / hard surfaces

Product Sheet

1. GENERAL PRODUCT DESCRIPTION

673 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
Base	Siloxane compound (silicone-free) in ethanol
VOC content	99% (780 g/l)
Flash point	14 °C
Layer thickness	approx. 100 nm
Density	approx. 0.8 g/cm ³
Odour	alcoholic
Colour	colourless to pink
pH value	3.0–3.8
Solids content	0.5–1.5%
Viscosity	3–5 mPa·s (20 °C)
Consumption	approx. 4–10 ml/m ² (= up to 250 m ² per litre)
Shelf life of liquid	at least 22 months (unopened)
Storage	+5 °C to +25 °C, protected from light
Durability of coating	up to 2 years depending on abrasion

4. PFAS-INFORMATION

673 does not contain any PFAS (per- and polyfluoroalkyl substances), including PFOS and PFOA.

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. PACKAGING UNITS & VARIANTS

- 1 litre bottle (673-1)
- 200 litre drum (673-200)
- 1000 L IBC (673-1000)

Not available as concentrate.



8. SAFETY & TRANSPORT

Hazard labelling according to CLP:

Signal word: DANGER

Hazard pictograms: GHS02 (Flame), GHS07 (Exclamation mark)

Hazard statements:

- H319 (Causes serious eye irritation)
- H225 (Highly flammable liquid and vapour)

Precautionary statements: P210, P233, P280, P305+P351+P338, P337+P313, etc.

Transport information: UN1170, Hazard Class 3, Packing Group II

9. TRANSPORT

UN-No.: 1219 – ISOPROPANOL (Packing Group II)

Regular transport regulations apply for liquid containers (ADR/IMDG/IATA).

For sachets (individually packed impregnated wipes), special provision A46 applies in the IATA DGR: Not classified as ADR dangerous goods as it is a 'sealed package containing less than 10 ml of a flammable liquid of Packing Group II or III fully absorbed in a wipe'.

HS Code 3208 9019