

6601 Easy Care

This high-quality SiO₂ coating has been specially developed for glass and ceramic surfaces. It forms an ultrathin, transparent protective layer that protects glass surfaces from dirt, UV radiation, and wear. Thanks to the easy-to-clean effect, dirt, limescale, and other residues can be easily removed. Ideally suited for glass facades, windows, mirrors, and shower enclosures.

APPLICATION EXAMPLES

- Bathrooms: shower enclosures, mirrors, washbasins, toilets, tiles
- Windows
- Glass facades
- Conservatories

PROPERTIES

- Strong hydrophobic and oleophobic properties – repels water and oil
- Easy-to-clean effect – dirt can be easily wiped away
- High abrasion resistance – permanent chemical bond with the surface
- Temperature and UV resistant – ideal for outdoor applications
- Breathable – the material remains vapor-permeable
- Suitable for household and industrial use – chemical resistant up to pH 12
- Reduced cleaning cycles – saves time, energy, and costs
- Biostatic effect – inhibits the growth of microorganisms
- Contact angle: >100°
- Self-cleaning effect on vertical surfaces (after heavy rain)
- Long-lasting effect
- No concentrate available

PRODUCT SPECIFICATIONS & CHEMICAL PROPERTIES

Base	Silicon dioxide (SiO ₂), alcohol-based
VOC content	approx. 90%
Flash point	< 14 °C
Dry film thickness	100–150 nm
Viscosity	approx. 0.8 g/cm ³
pH Value	No measurable pH value, as the product is alcohol-based / water-free.
Odor	Characteristic
Colour	Colourless

Consumption	approx. 5–7 ml/m ² (= up to 150–200 m ² per liter)
Temperature resistance	Heat resistant up to approx. 200 °C after full curing. Apply at +5 °C to +25 °C.
Shelf life	24 months at 20 °C
Application temperature	-3 °C to +30 °C
Shelf life	24 months at 20 °C; durability of coating up to 2 years depending on abrasion

PFAS INFORMATION

6601 is completely free of PFAS (per- and polyfluorinated alkyl substances), including PFOS, PFOA, PFHxA, and related fluorinated compounds.

It contains no fluorinated additives or surfactants and fully complies with EU Regulation 2024/2462, as well as other national and international regulations restricting PFAS.

The water- and oil-repellent properties of the **6601** coating are achieved using fluorine-free silicon dioxide technology.

APPLICATION & PROCESSING

Surface preparation

- Thoroughly clean the surface to be coated; it must be free of dust, dirt, and grease.
- Rinse with clean water and dry.
- Then degrease with isopropanol (70–99.9%) to remove surfactant residues.
- Allow the surface to dry completely.

Application

- Apply the coating at temperatures between +5 °C and +25 °C.
- Spray the coating onto a lint-free cloth (e.g., microfiber) and apply evenly.
- Do not touch the surface for 15 minutes.
- Polish with a soft microfiber cloth to remove any streaks.
- The surface is lightly loadable after approximately 1 hour. Full chemical curing occurs within 24 hours.

Functional test

- After 24 hours, test with a drop test – water should visibly bead up (lotus effect).

CLEANING & CARE

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

PACKAGING UNITS & VARIANTS

- 1 L bottle (6601-1)
- 5 L canister (6601-5)
- 20 L canister (6601-20)

SAFETY & TRANSPORT

- Hazardous material: Yes (UN 1219, Isopropanol, Class 3, Packing Group II)
- Hazard statements:
 - H225 – Highly flammable liquid and vapor
 - H319 – Causes serious eye irritation
 - H336 – May cause drowsiness or dizziness
- Personal protective equipment: Safety glasses and nitrile gloves recommended
- Disposal: In accordance with local/national regulations
- UN number: 1219 – ISOPROPANOL (Packing Group II)
- Regular hazardous goods regulations apply for liquid containers (ADR / IMDG / IATA)
- For sachets (pre-soaked wipes), IATA DGR Special Provision A46 may apply:
 - Not subject to ADR if the wipe absorbs less than 10 ml of flammable liquid
 - (PG II or III) in sealed packaging.

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