

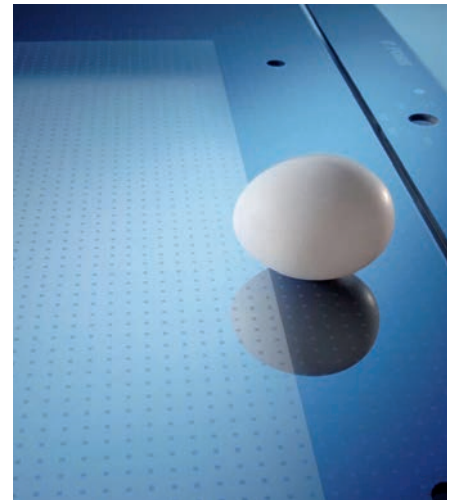
SCHOTT® CleanPlus

Enjoy cooking, forget about cleaning

Easy-to-clean coating



SCHOTT® CleanPlus is highly suitable for inner door glass panels of backing ovens



Invisible, does not affect the color of the glass

Product description

SCHOTT® CleanPlus is an advanced easy-to-clean coating on fully tempered, heat-reflective glass. This state-of-the-art treatment repels spills and dirt from the inner oven window surface, allowing it to be cleaned with minimum effort. Food won't stick even after repeated heating at elevated temperatures. A quick wipe with a damp microfiber and a few dashes of a cleaning agent restore the glass to its original appearance. The surface is extremely durable and has proven itself to be long lasting, even after daily cleaning.

Benefits

- Time for cleaning is reduced to a minimum, because dirt is prevented from building up
- Ecologically friendly; cleaning with damp microfiber usually sufficient*
- Industry-leading temperature resistance
- Invisible; does not affect the color of the base glass
- Outstanding durability even under chemical and mechanical stress
- Ideal solution to complement modern easy-to-clean oven cavities

*For removing greasy stains a dash of normal cleaner recommended

Cleaning recommendations

Cleaning of spills and dirt is no longer time-consuming. It is sufficient to wipe the glass with a damp cloth and a few dashes of a gentle cleaning agent. In case the inner oven door is only slightly dirty a quick wipe with a damp microfiber without using a cleaning agent is sufficient.

Do not use abrasive sponges or scouring pads or agents of any type. To prevent damaging the coating, corrosive cleaners such as oven sprays, stain removers, dishwasher products or polishing agents should not be used.



Repels spill and dirt, which reduces cleaning time



Reduces consumption of cleaning detergent to a minimum

SCHOTT
glass made of ideas

Technical Specifications



Typical contact angle*: 100° for deionized water and 55° for hexadecane
*at status of delivery

Coating

Typical thickness: 10–20 nm

The coating is a functional, glassy network, which is linked three-dimensionally. The coating is a homogenous layer, which is ultra-thin with the thickness expressed in “nano” units. The coating does not contain added nano-particles that could potentially leach out of the coating.

Mechanical resistance*

- Blue “Scotch-Brite” sponge with cleaning liquid resistant to 1,000 strokes
- “Spontex” microfiber cloth, dry with a load of 1.5 kg resistant to 100 strokes
- Resistant to minimum 3,000 strokes with wet felt

Chemical resistance

- Oven-spray resistant for up to 2 hours*
- Acetic acid (Vinegar) resistant for 24 hours at room temperature
- Citric acid resistant for 24 hours at room temperature
- Passed plum jam test even after 30 repeats (cycle: 1. baking plum jam at 250°C/30 min, 2. cleaning)
- Passed ketchup, curd, soft cheese test, even after 6 cycles at the same position (cycle: 1. staining with food at 230°C/20 min, 2. cleaning)
- Passed pork belly test on basis of DIN EN 60350, (cycle: 1. baking pork belly 5 times at 210°C/2.5h, 2. cleaning) even after 8 repeats with the same glass sheet

*depending on oven cleaner

Heat resistance*

- At 300°C up to 100 hours
- At 250°C up to 10,000 hours (extrapolation)

Environmental and health authority standards

SCHOTT® CleanPlus meets § 31 (1) of German Food and Commodity Goods Law (LMBG) and § 8 of Commodities Ordinance (BGVO) and does not affect the taste or smell of food.

Acceptance Test Procedure:

Test procedures for checking mechanical, chemical and thermal properties are available for setting up internal acceptance test in your lab.

*The specified test data is valid for SCHOTT CleanPlus based on Planibel G.



The coating is applied on the low-e coating side for optimum heat reflection

General features

SCHOTT® CleanPlus is available in the following glass sizes:

- Maximum size: 1.000 x 520 mm
- Minimum size: Any rectangular glass sheet with a diagonal >220 mm
- Standard thickness: 4 to 8 mm

Other dimensions available on request