

SCHOTT



Reduce cleaning effort
on your glass hobtop by
up to 96 %

(compared to an uncoated glass cooktop)

SCHOTT® clean plus



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Do you know that?



57% of end consumers are dissatisfied or moderately satisfied with the cleaning properties of their cooktop!*

Do quotes such as "A self-cleaning hob would be brilliant" or "I want a cooking surface that is still stylish and aesthetic after five years" seems familiar to you?

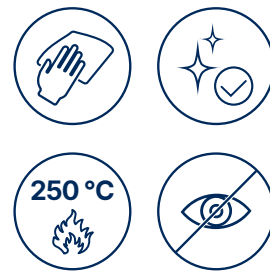
"Easy to clean is one of the most important things to me!"*



No harsh cleaning agents required, just a damp cotton cloth.



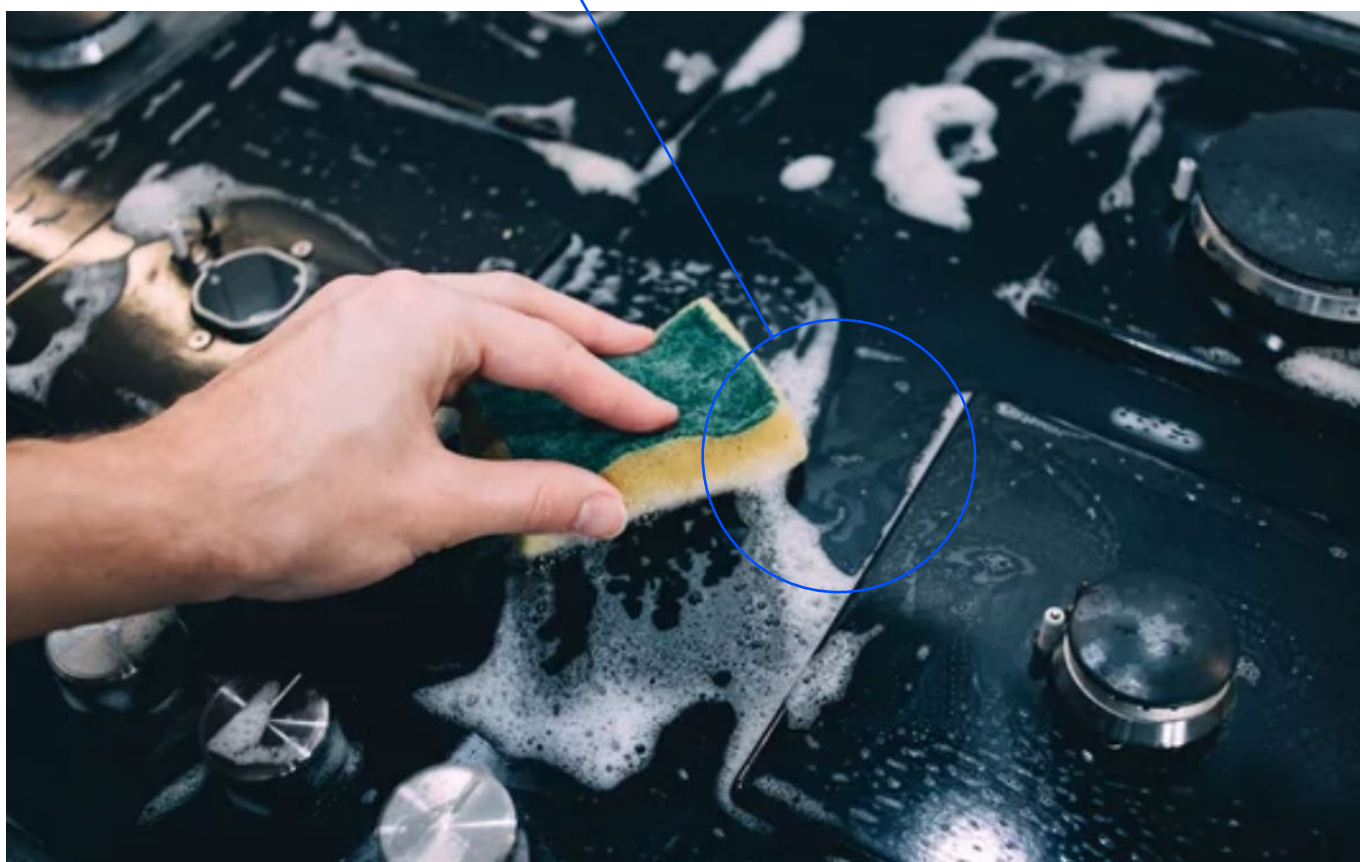
Are you dissatisfied with cleaning of your cooktop?



Dirt is usually seen as something bad. Dirty clothes, dirty hands or even a dirty stove. Yet dirt is an inevitable part of life. "Where there's wood, there are chips". What is actually disturbing is not getting dirty, but getting rid of dirt, isn't it? That would mean that dirt would be something good that testifies to a liberated life, if only you could just get rid of it.

So we're changing clean up for the better. Our cutting-edge glass hob tops have an ultra-thin coating to make cleaning easy, no matter the mess. Chemical resistant and scrub-friendly, our game-changing invisible clean plus coating is highly durable. But don't just take our word for it. Studies reveal it's extremely effective at making clean up easy and meets the needs of your target groups exactly.

Difficult to clean
57 % of end-consumers are only moderately satisfied or dissatisfied with the cleaning properties of their hob top.*



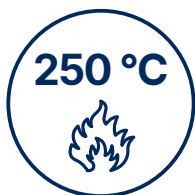
SCHOTT® clean plus coating has improved cooktop cleaning by making it 96 % easier compared to a standard glass hob.

*Source: Client Study, SCHOTT.

Your benefits



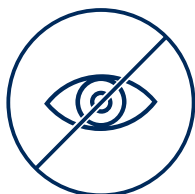
96 % easier to clean
compared to an uncoated
glass cooktop



High temperature resistance
Able to withstand temperatures
up to 250 °C.



Gentle cleaning
No harsh cleaning agent required,
just a damp cotton cloth.



Absolute invisibility
100 % transparency perfectly matches
and protects every design.



Mold-resistant

Technical data



General features

SCHOTT® clean plus is available in the following glass sizes:

- Maximum size: 1,000 mm x 700 mm (other sizes on request)
- Minimum size: Any rectangular glass sheet with a diagonal > 220 mm
- Standard thickness: 6 to 8 mm – other dimensions available on request
- SCHOTT® clean plus can be applied on all soda lime glass types
- Contact angle > 90° ensures that spills and dirt are repelled from the glass surface



- Mechanical resistance
- Resistant to minimum 3,000 strokes with wet felt and 1 kg load
- Chemical resistance
- Passed cleaning agent tests:
 - Citric acid ▪ CIF glass cleaner
 - Ethanol ▪ Kitchen cleaner and disinfectant: Lysoform
 - Dish liquid ▪ Oven cleaner
- Passed food resistance & cleanability tests after heat treatment:

▪ Ketchup	▪ Salt solution	▪ Coffee
▪ Mustard	▪ Vegetable oil	▪ Wine
▪ Vinegar	▪ Egg	▪ Coke
▪ Milk	▪ Lemon juice	
▪ Cheese	▪ Orange juice	
- Heat resistance
- At 250 °C min 1000 hours (extrapolation)
- Resists temporary peak temperatures of 300 °C

Environmental and health authority standard

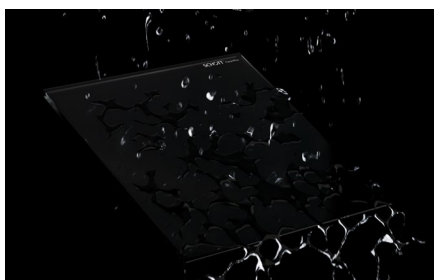
SCHOTT® clean plus meets § 31 (1) of German Food and Commodity Goods Law (LMBG) and § 8 of Commodities Ordinance (BGVO) and does not affect the taste or smell of food.

Acceptance test procedure

Test procedures for checking mechanical, chemical and thermal properties available for setting up internal acceptance test in your lab. The glass coating shows an anti-mold effect in the test of ASTM D 3273 (Test Report/EPH Inst.)

REACH, RoHS compliance

SCHOTT® clean plus coating fully complies with REACH and RoHS directives.





Fully certified for maximum protection

- **Environmental and health authority standard**
SCHOTT® clean plus does not affect the taste or smell of food and meets §31 (1) of German Food and Commodity Goods Law (LMBG) and §8 of Commodities Ordinance (BGVO).
- **Acceptance test procedure**
Test procedures for checking mechanical, chemical, and thermal properties available for setting up internal acceptance test in your laboratory
- **REACH, RoHS compliance**
SCHOTT® clean plus coating fully complies with all REACH and RoHS regulations.
- **Anti-mold**
Glass coating shows an anti-mold effect in the ASTM D 3273 test (Test report/ EPH Inst).
- **Cleanability**
SCHOTT® clean plus significantly reduces the effort required for cleaning by 96% and prevents damaging chemical reactions between the glass substrate and liquids such as oil and coffee.

Test Report
Order no. 222058

Client: Schott AG
Otto-Schott-Strasse 2
55127 Mainz-Marienberg

Order date: 20/07/2022

Contractor: Entwicklungs- und Prüfzentrallabor Holztechnologie GmbH
Laboratory Unit Biological Testing

Engineer in charge: Dipl.-Biol. Katharina Paschlies

Task: Determination of the mould resistance of a glass coating

Result: The glass coating showed a clear anti-mould effect in the test according to ASTM D 3273.

Evaluation/interpretation: The glass coating showed a clear anti-mould effect in the test according to ASTM D 3273.

Test report: Determination of the mould resistance of a glass coating
Entwicklungs- und Prüfzentrallabor Holztechnologie GmbH, Laboratory Unit Biological Testing

Are you interested in learning more about what this coating can do for your applications or devices?

Or do you have further questions? Then please do not hesitate to contact us for a consultancy. I would be happy to discuss with you individually.
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Gregor Grosse, Director Global Product Development & Innovation Home Appliances