

SCHOTT® Flat Glass

Product information



SCHOTT
glass made of ideas

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Product Information

Material and Technology

SCHOTT® Flat Glass is a thermally toughened (tempered) float glass produced from a variety of raw materials. Available types include clear float, extra white, heat reflective, tinted and Stopsol® flat glass. It is available in thicknesses from 3 - 8 mm (10 mm on special request).

Due to its mechanical and thermal properties, processed toughened float glass or tempered glass is ideally used as a component in:

- Household appliances
- Commercial refrigeration applications and
- Many other industrial areas.

The typical glass processing procedure is:



Cutting:

- Automated straight cutting in 2 axes (x and y)
- Shape cutting by CNC program
- Water jet cutting

Grinding:

Double edge grinding

- Rectangular shape
- Dubbed corners
- Arrissed, C-edge or flat edge

Shape grinding

- Complex shapes
- Radii and other shapes
CNC programmed
- Oblique corners
- C-profile and special edge work



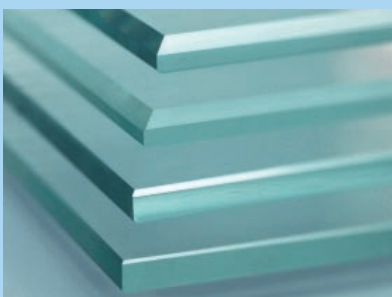
flat edge



C-edge



bevelled edge



Drilling:

- Typical diameter: 3.5 – 300 mm
- Various hole configurations and forms
- Semi & fully automatized processes

Printing:

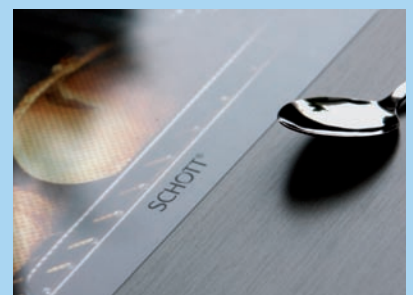
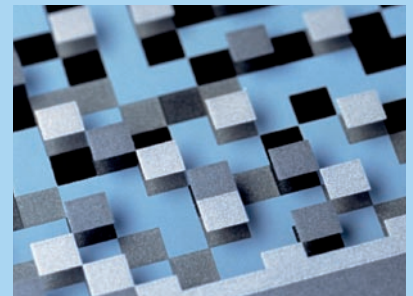
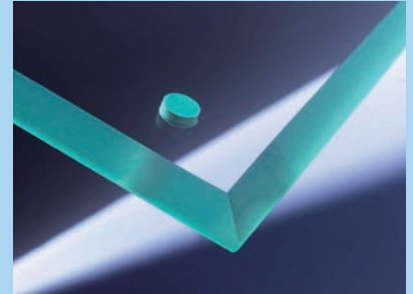
- Huge variety of color compositions
- Each print requires an extra screen and printing process
- Minimum line thickness: 0.3 mm
- Minimum spot diameter: 0.5 mm
- Thickness of a single print layer: 10 – 20 µm

Tempering / Bending:

- All products are thermally toughened using SCHOTT tempering techniques
- Ceramic colors are fixed during this process
- Bending is also available from single curvature gravity bends to complex pressed forms

Components manufactured by SCHOTT meet relevant international standards and regulations (details on request).

SCHOTT® is a registered trademark of SCHOTT AG, Mainz, Germany.
Stopsol® is a registered trademark of Glaverbel S.A.



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