

OPAK
Smart Glas

SWITCHABLE GLASS

Clarity through innovation



ustainable – energy-saving – programmable energy glass



OPAK
Smart Glas

25 years expected lifetime

10 years warranty

WHO WE ARE – ABOUT US

OPAK Smart Glass is undoubtedly the leading provider in smart glass technology and consistently remains at the forefront with its innovative solutions. Our reputation as a reliable player is firmly established, and we offer the most advanced solutions for all applications. As a pioneer in the manufacturing of smart glass, or switchable glass, we are unmatched and operate independently. We stand not only for the best prices on the market, but also for the highest quality and a reliable warranty.

Reverse type: Switched OFF

Standard type: Switched ON



Reverse type **Switched ON**
Standard type **Switched OFF**



SWiTCH View COOL will make a significant contribution to advancing and supporting the energy transition through our façades, thanks to its superior properties and its potential to remain unmatched by competitors over the coming years.



Products

Discover the future of glass design for interiors with our innovative smart glass technology, OPAK SwitchView. Experience ultimate privacy at the touch of a button.

Our thermochromic glass creates a dynamic atmosphere by changing according to temperature. Enjoy maximum comfort and energy efficiency through intelligent indoor climate control with our smart glass solutions for interior spaces.





SWITCH VIEW GLAZING

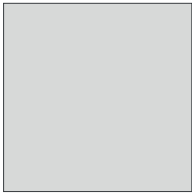
SwitchAble Glass

Max. dimensions
Glass thicknesses
(laminated safety glass) –
doors / windows / glazing

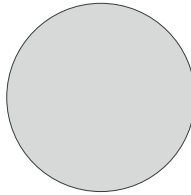
3000 mm × 2000
mm · 6 mm–24 mm
Double glazing /
Triple glazing (IGU)

Sondermasse auf Anfrage

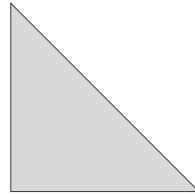
Zuschnitte und Modelle



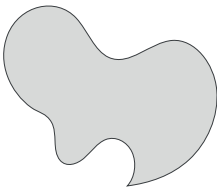
Rectangle



Circle



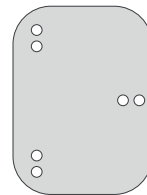
Dreieck



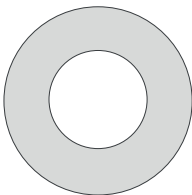
Extraordinary



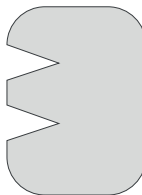
Rounded corners



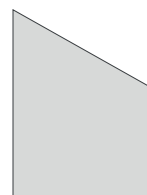
Doors / drill holes



Curved



Edge finishing



Beveled mitre cut

Technical Specifications

Versions: SW TI42 | TL46 ExtrasWidth | SW TLR 26 PDLC-Reverse

Environment

Storage: -20°C to 50°C | -20°C to 50°C | -20°C to 50°C

Operating: -10°C to 50°C | -10°C to 50°C | -10°C to 50°C

Sound insulation: 38 dB – 9.5 mm | 38 dB – 9.5 mm | 38 dB – 9.5 mm
Electrical Properties

Operating voltage: 48V AC | 48V AC | 48V AC

Operating frequency: 50–60 Hz | 50–60 Hz | 50–60 Hz

Power consumption: <5 W/m² | <5 W/m² | <4 W/m²

Switching time: <0.1 sec | <0.1 sec | <0.15 sec

Optical Properties

Light transmission (OFF): 66% | 68% | 86%

Light transmission (ON): 82% | 79% | 72%

Haze (OFF): 99% | 89% | 2%

Haze (ON): 4% | 2.5% | 89%

Note: Estimated lifetime: 700,000 switching cycles; with requested maintenance and care: unlimited.

Eigenschaften

Immediate and precise switching control

Improved ease of use and enhanced safety

Efficient space utilization in building environments

Aesthetic appeal; energy savings through reduced A/C cooling

Low operating voltage

UV protection and stability (blocks over 99% of harmful UV radiation)

Excellent contrast for rear-projection applications

Protection for people and valuable items on display

Exceptional optical quality and reliable technology



Prüfzertifikate
CE EN12898
CE EN ISO 12543-2021a
CE EN12600E
CE EN 410

SWITCH VIEW GLAZING

OViATiON SwitchView – Switchable Glass for Flexible Transparency

OViATiON SwitchView is an innovative switchable glass that changes from translucent to transparent at the touch of a button. The reverse version works the other way around, switching from transparent to translucent.

It is manufactured from two panes of flat glass with a liquid crystal film (LC film) between them, laminated using EVA interlayers.

How it works

Power OFF: The liquid crystals are randomly aligned, making the glass opaque / not see-through.

Power ON: When a voltage of 65/48 V AC is applied, the crystals align and the glass becomes transparent.

Features and benefits

Constant light transmission: Light transmission remains almost constant regardless of switching state (approx. 77%).

Rear projection: In the translucent state, OViATiON SwitchView serves as an ideal projection surface for presentations.

Custom sizes: From 200 × 300 mm up to a maximum of 2,000 × 3,000 mm (larger sizes available on request).

Technical details

Power supply

OViATiON SwitchView ONE: 65 V, 6 VA/m² in the ON state

OViATiON SwitchView Pro: 48 V, 5 VA/m² in the ON state

Thickness

Standard 9.7 mm, optional 5.7 mm to 26 mm

Switching behavior

Instant change between transparent and translucent

Applications

Interiors: Partition walls, doors, projections in offices, hotels, hospitals, and residential buildings

Exteriors: Facades and insulating glass units

Certifications, safety & production

Made in Germany: European manufacturing with CE certification

Impact resistance: According to EN 12600

Warranty

6 years on switching function

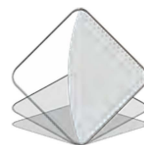
2 years on electronic components



Kontakt

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Anschrift

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