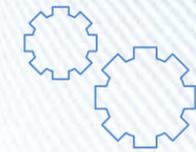


# VARIO GLASS

## DISCREET LUXURY



### CUSTOM SOLUTIONS

Whether your project is standard or needs your personal touch, our team of professionals is up to the challenge.



### BUSINESS SOLUTIONS

We offer business solutions tailored to the company needs. (Events, Commercials, etc.)



### ON OUR WEBSITE

You will find a wide array of information on different products and their respective strength which proves to be an excellent source of information.

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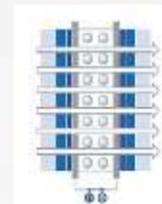
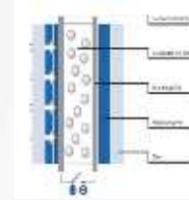


Vario Privacy is a smart glass that serves as an electronic blind or privacy screen and offers instant visual privacy at the touch of a button.



### HOW IT WORKS

When the film is switched off from its power supply, the liquid crystals are randomly scattered and diffuse light in all directions. In this state the smart film is translucent and prevents both sides from seeing through the film.



When power is on, the liquid crystals align and the direct visible light is transmitted through the film and the glass turns clear.

### VARIO PRIVACY SPECIFICATIONS

Item	Mode	Specification	
Optical Characteristics	Haze	ON < 6%	
	UV Blocking	ON/OFF ≥ 98%	
	Sun light transmission	ON	≥ 82%
		OFF	≥ 50%
Minimum Privacy Distance	OFF	3 cm	
Electrical Characteristics	Operating Voltage	ON 48V(AC 50/60 Hz)	
	Response Time	ON/OFF	0.045 s
		OFF => ON	0.1 s
Power Consumption	ON	2.7 W/m <sup>2</sup>	
Electrical operating Modes	ON	Transparent	
	OFF	Opaque	
Film Thickness	370μm / 0.5mm		
Single Panel Max Size	77" x 233" (1.95 m x 5.9 m)		
U Value (Thermo, Double pane, Low-E)	0.29		
U Value (Thermo, Double pane, Clear)	0.47		

### VARIO PRIVACY ADVANTAGES

- Instant and precise privacy control
- Efficient use of space in the built environment
- Blocks 98 +% of UV rays
- Eco friendly
- Exceptional optical qualities that reduce glare and eye strain
- High durability, solid-state technology with no moving parts to wear out or break

Composition: The polymer and the liquid crystals are encapsulated in the glass. Both faces of the glass are covered with a transparent, ITO coating. Both ITO coatings are connected to a flat electrical bus bar, which is fixed on one of the edges of the glass.



### APPLICATIONS

- Commercial** – Hotel, office & boardroom partition screens, changing rooms, conference room etc.
- Healthcare** - Fire rated hospital doors, moveable privacy screens, and X-Ray protection screens, surgery room, ambulances, etc.
- Residential** – Doors, windows, loft bedroom partition, solarium, skylights, balconies, etc.