



GREENSTRUCT
Integrating the future



PRIVEE™



Features & Benefits

- ✓ Transforms from opaque to clear at the flick of a switch, providing instant and precise privacy control
- ✓ Allows forward-thinking professionals to create energy efficient, high visual impact signature architecture
- ✓ Eco friendly, with superb optical qualities and high durability technology
- ✓ Aesthetically pleasing, hygienic & low maintenance
- ✓ Reduces uncomfortable “Gold fish bowl” feeling when working in high-density office buildings
- ✓ Reduces fading of carpets, furniture and protects valuable artwork
- ✓ Can be manufactured in any shape and any form, to match your project’s requirements
- ✓ Flexible size – up to 1600 x 3000 mm
- ✓ Glass Color: Any color available (clear, bronze, grey, green tint, blue tint...)
- ✓ Glass Type (All Laminated): Annealed (Standard), Heat/Chemical Strengthened, Tempered, Fire Rated, Curved, Bullet Resistant, Tinted, Mirrored.
- ✓ No distraction of shutters, curtains, blinds or drapes
- ✓ Great solution for a rear-projection screen with high contrast
- ✓ Blocks 99% of UV rays
- ✓ Low working voltage (consumes < 5 W/m²)
- ✓ Average life of 25 years with due care – bench-tested at over 7.000.000 switches (on and off)

PRIVEE™

gives users the ability to dramatically transform any space, switching between opaque and transparent state

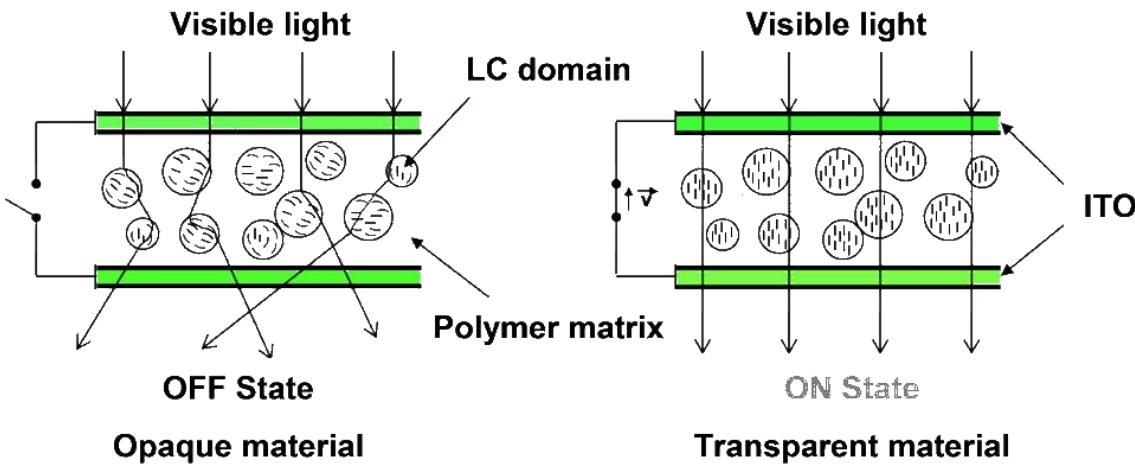
TECHNOLOGY PRINCIPALS

HOW IT WORKS

The crux of the technology is in the Liquid Crystals dispersed within the formulated polymer matrix.

When a flow of electricity enters the polymer matrix, the liquid crystals become aligned parallel to each other, enabling transparency.

Once the flow of electricity stops, the crystals return to their original state -randomly oriented- making the glass appear opaque.



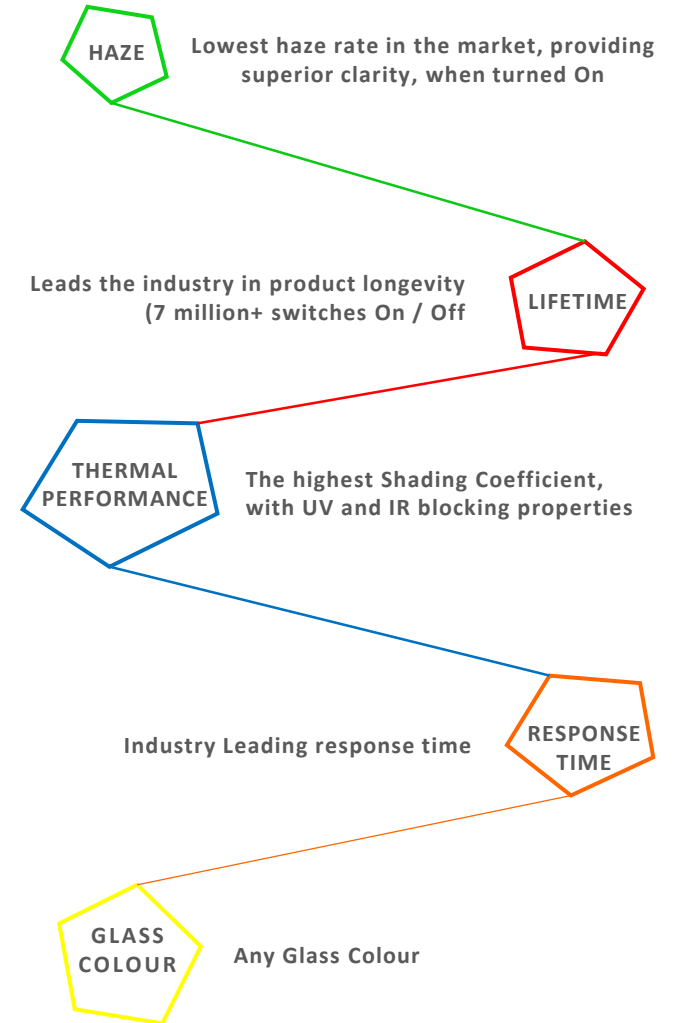
In clear mode, **PRIVEE™** enables a modern open air architecture by allowing the light to travel throughout the space, creating a feeling of continuity.

Switching to opaque, it offers privacy on demand.

At the same time any glass partition can also be used as a whiteboard or end-to-end projection screen.

**GLASS
ENERGIZED™**

		OPAQUE	TRANSPARENT
OPERATING SPECS	STATUS	Power Off	Power On
	COLOUR	Milky White	Clear
TECH SPECS	THICKNESS	0,39 mm	
	MAX SIZE	1600 mm X 3000 mm	
	PARALLEL LIGHT TRANSMITTANCE	≅ 5 %	≅ 81 %
	HAZE	≅ 88 %	4 %
	RESPONSE TIME	< 0,1 s	
	OPERATIONAL LIFETIME	> 7+ Million Switches (On/Off)	
	DRIVING VOLTAGE	60-80 VAC (50Hz, sine wave)	
ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	-20°C to 60°C	
	ENERGY CONSUMPTION	3 - 5 (W/m ²)	
	UV BLOCK	> 99 %	
	SHADING COEFFICIENT	≅ 0,35 (Off State)	



*Due to continuous research and development, the above data may change without notice

➤ **RESIDENTIAL**

Bathroom/living room/home office dividers, wardrobe rooms/closets, operable sliding / folding doors and windows, projection screens, skylights and as a replacement for blinds or curtains



➤ **HOSPITALITY**

Hotel room privacy screens, bathroom / bedroom privacy screens, design floors, elevator doors/floors, conference center windows & roof-lights, bar & restaurant screens, toilet cubicles, balustrades and balconies





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next gen glass technologies

➤ **CORPORATE**

Meeting / conference rooms, isolation booths, operable sliding / folding doors and windows, office glass partitions, skylights, tradeshow exhibits and command centers



➤ **HEALTHCARE**

Hospital (nursery, emergency, ICU, operation room), clinics, fire-resistant doors, privacy / restrictive viewing areas, X-Ray protection screens



➤ **CLUBS, RESTAURANTS**

Kitchen areas, VIP Sections etc.



➤ **RETAIL, ENTERTAINMENT, SHOWROOMS AND MUSEUMS**

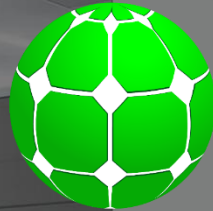
Internal or external HD rear projection screens, advertising projection screens and changing rooms, feature screens, special effects panels and vanity screens, protective display cases



➤ **INDUSTRIAL**

Machinery screening, roof-lights, doors, components





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