



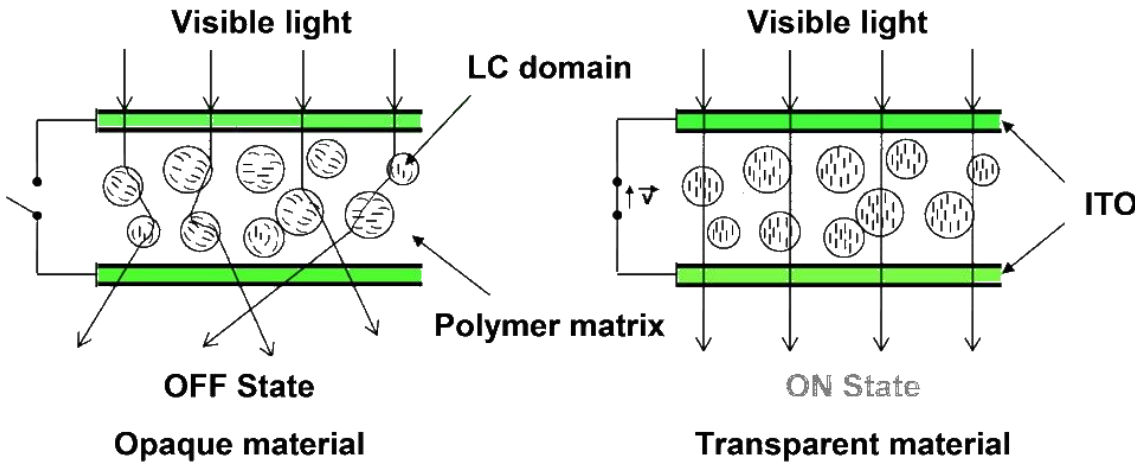
GREENSTRUCT  
Integrating the future



PRIVEE-X™

# PRIVEE-X™

is a Next Gen Switchable Glass, **specially designed - first time ever -** for both indoor and outdoor applications



## 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.

Up until now, Switchable Glass could be only used indoors, under climate control. PRIVEE-X™ is the first of its kind, designed for external windows, all thanks to patented heat / UV stabilization technology, and broader operating temperature range.

Use it for storefront promotion projection, or building Media Facades, delivering an HD video advertising experience

**GLASS  
ENERGIZED™**

# TECH SPECS

		OPAQUE	TRANSPARENT
OPERATING SPECS	STATUS	Power Off	Power On
	COLOUR	Milky White	Clear
TECH SPECS	THICKNESS	0,38 mm	
	MAX SIZE	1500 mm X 3000 mm	
	TRANSPARENCY	≅ 5 %	≅ 71 %
	HAZE	≅ 88 %	~3 %
	RESPONSE TIME	Off > On: 5 ms On > Off: 200 ms	
	OPERATIONAL LIFETIME	> 5+ Million Switches (On/Off)	
	DRIVING VOLTAGE	<40 VAC	
ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	-30°C to 80°C	
	ENERGY CONSUMPTION	1.5 (W/m <sup>2</sup> )	
	UV BLOCK	> 99 %	

HAZE

Lowest haze rate in the market, providing superior clarity, when turned On

Leads the industry in product longevity (5 million+ switches On / Off)

LIFETIME

OUTDOOR APPLICATIONS

Patented heat / UV stabilization technology, anti-moisture technology, broader operating temperature range

360° Viewing Angle, and top light diffusion, providing superb uniform brightness

PROJECTION CAPABILITIES

GLASS COLOUR

Any Glass Colour

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

➤ **RESIDENTIAL**

Operable sliding / folding external doors and windows, projection screens, skylights and as a replacement for blinds or curtains



➤ **COMMERCIAL**



➤ **HOSPITALITY**

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



➤ **CORPORATE**





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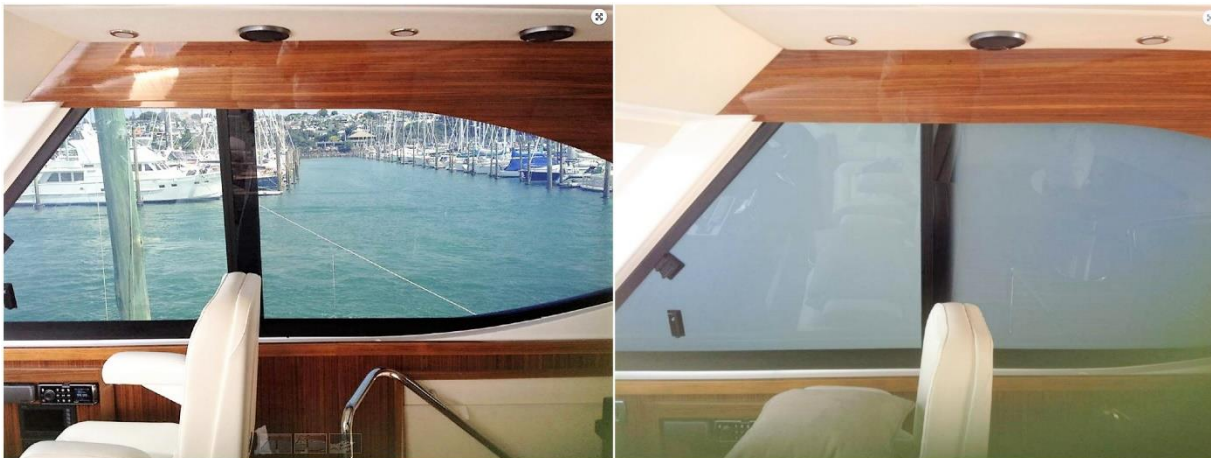
next gen glass technologies

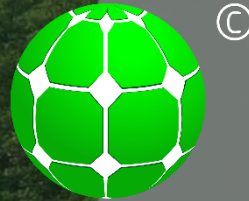
➤ **RETAIL, ENTERTAINMENT, SHOWROOMS**

➤ External HD rear projection screens, advertising projection screens, feature screens, special effects panels and vanity screens



➤ **CARS, BOATS, ETC**





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83 Evagelistrias str • 176 71 Athens • Greece

t: (+30) 211 216 5386

f: (+30) 211 012 5817

info@greenstruct.gr

www.greenstruct.gr