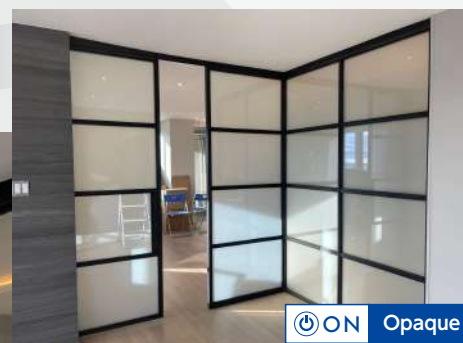
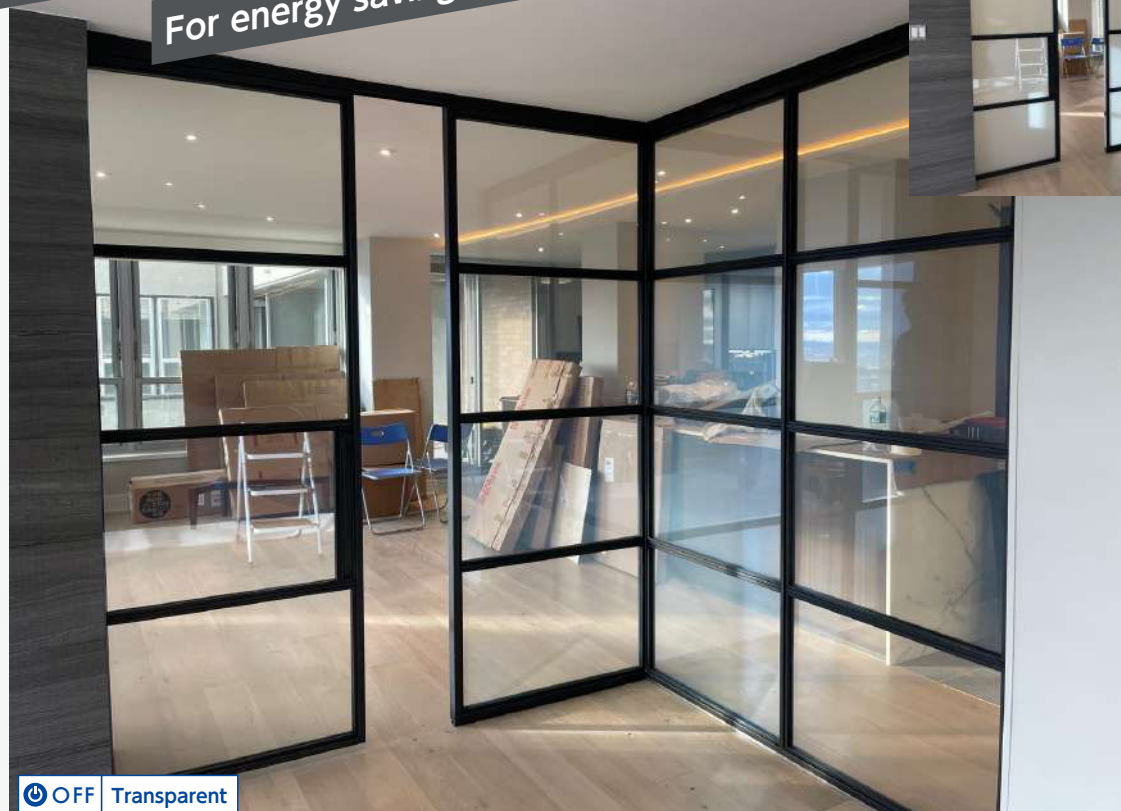


PRIWATT

REVERSE SWITCHABLE GLASS

(opaque when power ON / transparent when power OFF)

For a room with a sense of openness!
For energy saving and efficiency!



An economical type that does not require electricity at transparent state.
Suitable for an environment where transparency is desired.



Ecology and Energy Efficiency

The transparent state is available without electricity, suitable for using mainly at clear state.



Visible During a Power Failure

The film remains transparent in case of power failure, ensuring visibility.



Higher Transparency

PriWatt Reverse is developed focusing mainly on transparency.

Basic data

PriWatt Reverse-Mode			
Thickness	0.26mm		Response time *3
Maximum dimension	1,450 × 3,000mm		0.5sec
Total light transmittance (at power OFF)*1*2	88%		Power consumption *4
Parallel light transmittance*2	O N	7%	5W/m ²
	OFF	80%	Driving voltage
Haze*1*2	O N	92%	AC 25~80V
	OFF	10%	Operating temperature
			-10~60°C
			SWOM (Weathering test) *5
			Passed 2,000 hours of testing

Note

*1: The value is measured based on JIS K 7361-1 and JIS K 7136, and is not a guaranteed value.

*2: The value is measured at 23°C.

*3: This is a response speed of the film at 23°C, not including the activation and response time of the power supply equipment.

*4: The value is measured at 23°C using the optimal voltage for an area of 1m². This is the power consumed by the film only, not including the consumption by other devices including the power supply. (Optimal voltage: 40Vrms 60Hz square wave)

*5: SWOM (weathering test) is conducted based on JIS A 5759, and has satisfied the values specified in the SGG's standard using SGG-specified adhesive and edge sealing.

Create a new space with the magic of light.

The liquid crystal light control film achieves "to show", "not to show" and "serve as a projection screen".

PriWatt® Reverse is an ultra-thin liquid crystal film developed based on PriWatt liquid crystal technological achievements accumulated through our display-related businesses.

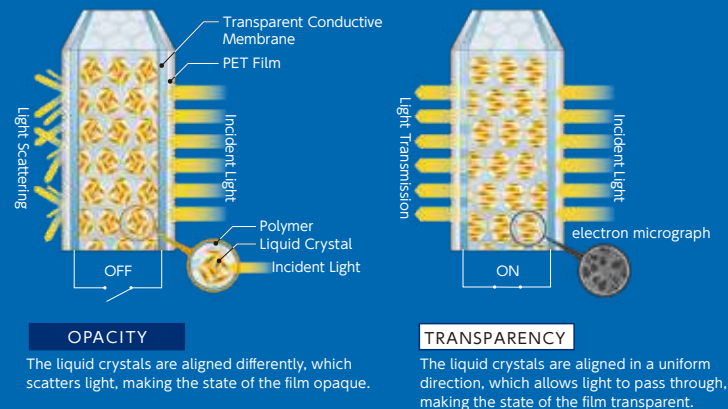
The flip of a switch can transform the film state from transparent to opaque, or vice versa.

This innovative product is used in a wide variety of applications, as an alternative to a blind or curtain, or as a digital signage screen.

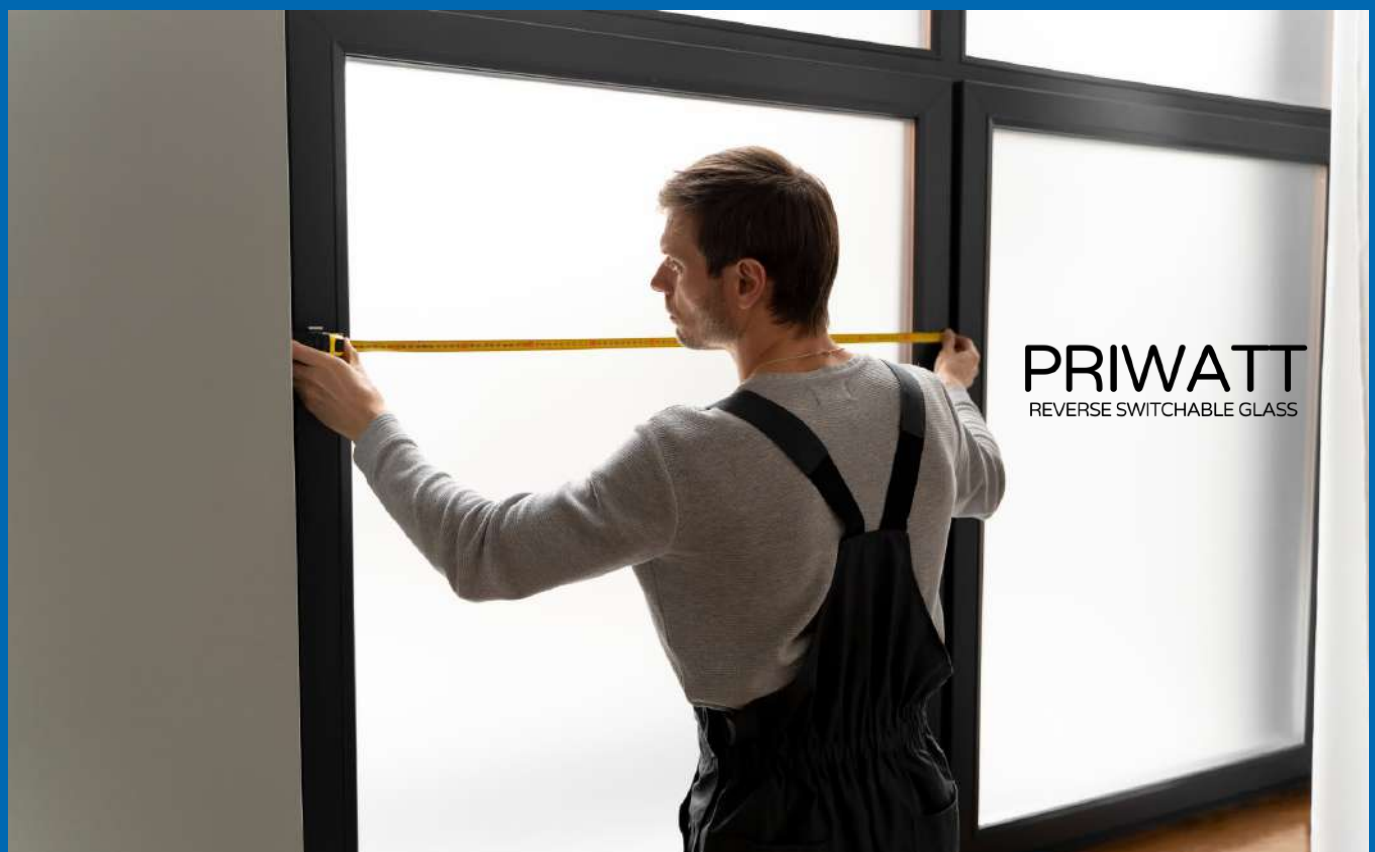
Our lineup is: **PriWatt Reverse-Mode** film that switches to transparent when power is turned off.

Modulation of light transmission by polymer network liquid crystals

Basic Principle (Normal-Mode)



Applications of PriWatt



PriWatt is used in various fields (offices, houses, commercial facilities, etc.).

PriWatt can be used differently depending on the intended situation or time, mainly for security solutions, privacy protection, or projecting images.

Images are for illustrative purpose only.

For VIP or reception rooms

Depending on the contents of the meeting, you can easily change the state between transparent and opaque.



For hotel bathrooms

Can create a privacy environment with a sense of openness.



For factory tour routes

Depending on the nature of the manufacturing, you can use the film to keep confidentiality from visitors as a security measure.



For outer windows

You can select the state of film depending on the weather.



For medical facilities

Unlike curtains and blinds, PriWatt® prevents the accumulation of dust and can be easily cleaned, keeping the room sanitary.



As a digital signage screen

PriWatt can be used as a digital signage screen by projecting high resolution image.



■ Smart Glass Technologies website:
<https://www.smartglasstech.us/product-page/smart-glass-reverse/>

■ Introduction of the PriWatt® manufacturing (Youtube)
<https://www.youtube.com/watch?v=qJkTX-so7qE>

Product specifications are subject to change without notice for improvement.