

SAUDI AMERICAN GLASS

THE MIDDLE EAST'S AUTHORITY ON FLAT GLASS...



الشركة السعودية الأمريكية للزجاج
SAUDI AMERICAN GLASS



A Subsidiary of **إسكس** GLASS إحدى شركات

شركة إسكس من المجموعات الاقتصادية
Group owned by SAG, Saudi Arabia



Since its inception in Riyadh in 1978, Saudi American Glass (SAG) has fast become the region's largest and most recognized leader in the flat glass industry. In addition to its vast range of laminated, decorative and architectural glass and its own renowned, energy-efficient brand, K-LITE, SAG is now the region's preferred supplier of SMARTGLASS.

SMARTGLASS is a revolutionary flat glass product that can turn from translucent to opaque, allowing instant privacy at the flick of a switch. This innovative product is currently enhancing environments in more than 33 countries across 6 continents.



Smartglass has a vision for the future that is driven by the commitment to developing innovative products.

INTRODUCING PRIVACY SMART-GLASS™

Creates multi-functional spaces that adapt and respond to the needs of the user at the flick of a switch

When the electric current is removed from the glass, it instantly changes back to opaque, turning it into a unique and private partition that can be adapted to fit any space or design requirement

Each panel of Smartglass is bespoke and manufactured to order to meet your specific design and specification needs

Flat, curved, opaque or tinted, Smartglass has the ability to transform environments in an instant

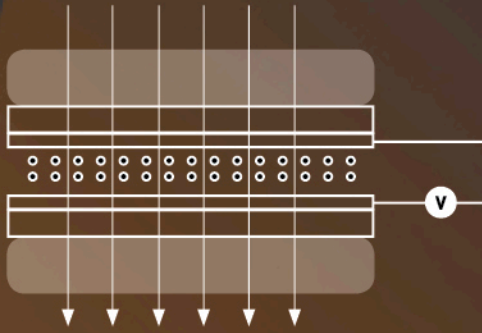
Easy to clean and maintain, Smartglass also meets the highest standards of health and safety

PRIVACY SMARTGLASS™

Privacy Smartglass™ allows instant privacy at the flick of a switch. When an AC electrical current is passed through the glass it instantly changes from opaque to translucent. When the power is removed from the glass it instantly changes back to an opaque state.

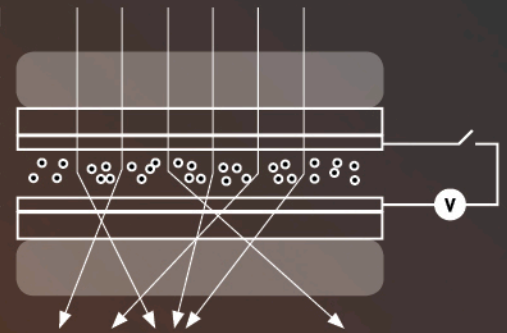
POWER ON [TRANSPARENT]

GLASS
P.E.T FILM
LC FILM
POLYMER

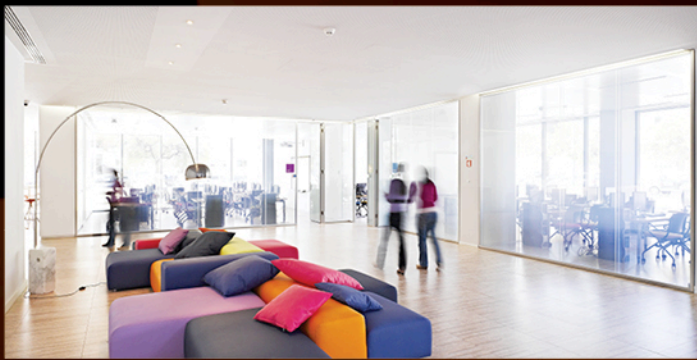


POWER OFF [PRIVATE/OPAQUE]

GLASS
P.E.T FILM
LC FILM
POLYMER



Two layers of glass encapsulate a liquid crystal film between layers of EVA. It is this film which provides the opaque and translucent conditions of the glass. When provided with a voltage set by a supplied power conditioner this film makes the change in transmission.



This forward thinking approach serves to inspire and respond to the ambition and imagination of our customers.



Each unique and perfectly crafted piece of Smartglass represents the culmination of a concept and the realization of a combined imagination. Our products are second to none, but it's how we get there that sets us apart.

OPTICAL AND SOUND DATA

	ON TRANSLUCENT	OFF OPAQUE
LIGHT TRANSMISSION	75%	67%
LIGHT REFLECTANCE	14%	18%
CLARITY	76%	4%
HAZE FACTOR	7%	91%
UV TRASMISSION	0.5%	0.5%
SOUND CONTROL	37dB	37dB

TECHNICAL DATA

OPERATING VOLTAGE	65VAC/110VAC@50HZ
POWER CONSUMPTION	7W/M ² IN TRANSLUCENT ON STATE, 0W/M ² IN OPAQUE OFF STATE
IP CLASSIFICATION	IP X7
BATHROOM CLASSIFICATION	ZONE1 & 2 CONFORMITY TO EN/HD60364-7-701

