

# MAKE GLASS DO MORE FOR YOU

Smart Film | Smart Glass



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## Effortless Privacy, Elevated Style



Smart Glass:  
Light Control & Modern Design for Your Home.

## THE COMPANY SMART GLASS AFRICA

Smart Glass Africa is the foremost smart glass and smart film-producing company in West Africa. Smart Glass Africa makes the glasses in your offices, stores, clubs, hotels, banks, museums, and clinics become dynamic mediums to display videos and the ability to make glass switch from transparent to opaque at the click of a button.

With years of experience, we have installed smart glass in virtually any scenario you might think of, with intelligent wiring solutions and premium smart glass products delivered on time.

### Our Vision

Our vision is to position Africa to become a global leader in glass technological advancement.

### Our Mission

Our mission is to continuously lead new ideas in advanced glass technology and create strategic partnerships that enable us to deliver technological advancements in architectural glass to Africa.

*We Make Glass Do More*

## Unlock Privacy on Demand

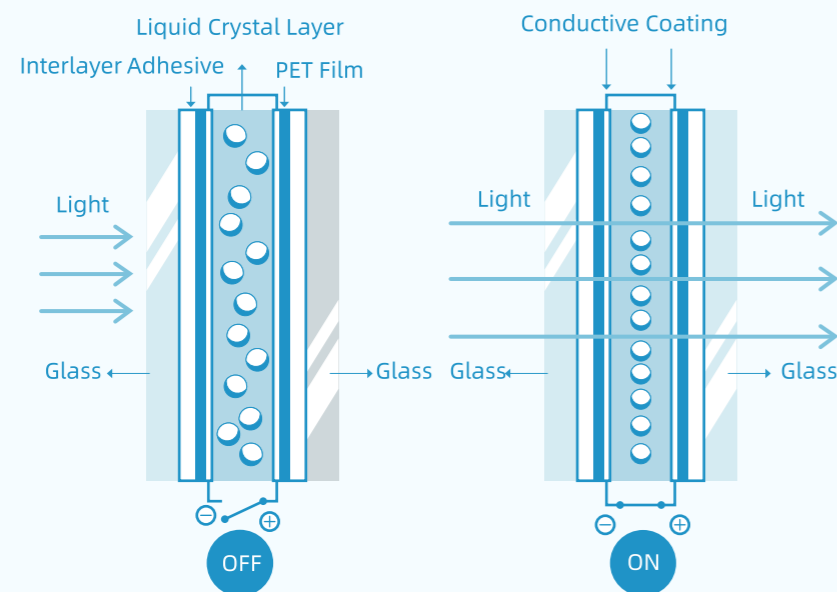


Transform Open Offices with Switchable Privacy  
at the Touch of a Button.

## ABOUT SMART FILM

A PDLC (Polymer Dispersed Liquid Crystal) smart film, also called a smart tint, privacy film, or switchable film, is a thin, flexible material that can be applied to glass surfaces (Self-adhesive smart film) or sandwiched in between two glass panels (laminated smart film) to enable glass switch between opaque and transparent states. Smart film consists of liquid crystals ingested between two transparent conductive films. When an electric current is applied (POWER ON), the alignment of the liquid crystals changes, allowing light to pass through and making the film transparent. When the current is turned off (POWER OFF), the liquid crystals return to their original state, rendering the film opaque.

The standard colour of smart film is white, but it is available in many colours. It can also be printed on and disintegrated to function like a blind (see Customised service).



PDLC

## Benefits of Smart Film

### 1 Instant Privacy

Smart film can be controlled to be transparent or opaque at will, providing privacy to your space at the flick of a button.

### 2 Noise Reduction

Compared to regular glass, the anti-noise ability of glass fitted with Smart Glass Africa's smart film is boosted by 20%.

### 3 Security & Safety

If a smart glass gets broken, the smart film will hold all the broken pieces together and keep them in place until the glass is replaced. This unique feature of the smart film makes the glass a reliable security barrier, as it becomes extremely difficult for intruders to break in.

### 4 Various Control Methods

Multiple control methods are available to meet various needs, including remote control, wired control, infrared induction, voice control, mobile application, etc. Additionally, an FM transformer can be selected to dim the film gradually.

### 5 Easy To Clean

Smart film is easier to clean, unlike conventional window coverings that are harder to clean, thereby accumulating dust and bacteria.

### 6 Projector Screen

Smart film can produce excellent image effects. You can watch videos on the film using a projector, and multi-touch can be enabled with a high-definition projector.

### 7 Cooling & UV Protection

Smart film blocks over 98% of infrared and 99% of ultraviolet rays, reduces heat, and protects indoor furniture and artwork from fading and ageing.



## Our Products

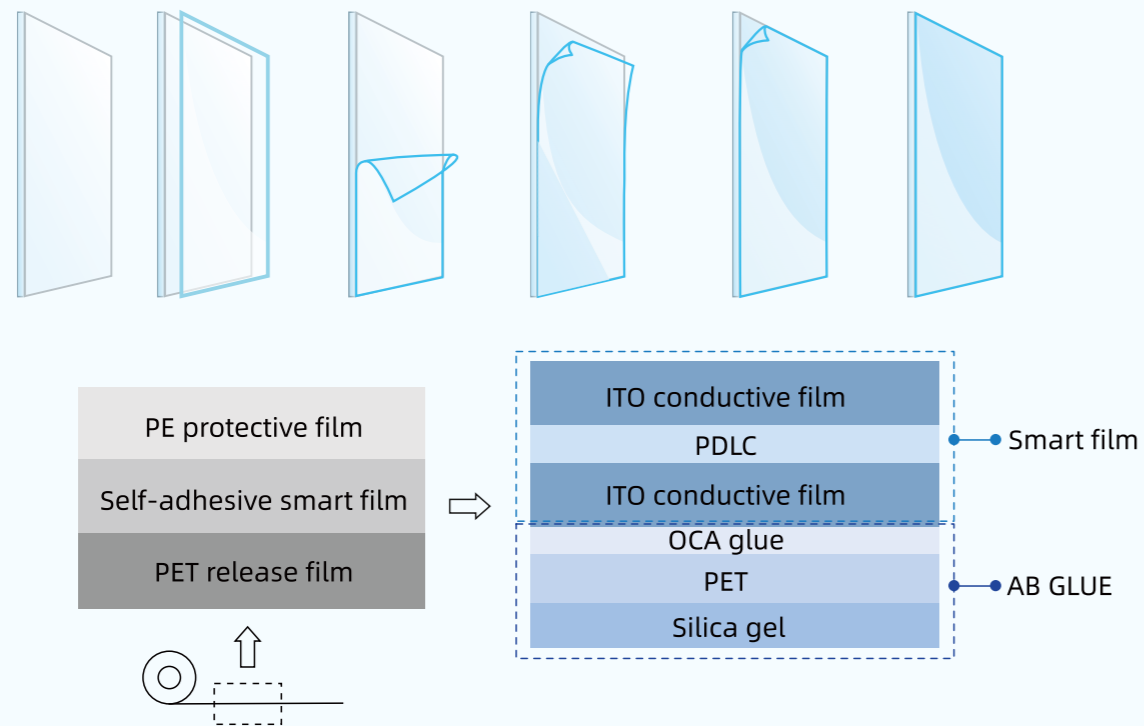
- Self-Adhesive Smart Film
- Customized Smart Film
- Smart Glass

*Widely used in offices, hotels,  
banks, hospitals, shops, clubs,  
villas and other  
places.*

## SELF-ADHESIVE SMART FILM



This is a smart film that sticks on glass surfaces. The self-adhesive smart film is covered with adhesive (AB glue) on one side of the smart film, enabling installation on existing glass surfaces. Self-adhesive smart film is incredibly versatile and easy to install.



(Color and thickness do not represent the actual situation, only for the convenience of illustration)

## Benefits of Self-Adhesive Smart Film

### 1 High Transparency

We offer up to 95% transparent smart films

### 2 Easy To Install

Our smart films are easy to install on existing glass due to their self-adhesive nature.

### 3 Easy To Clean

Our smart film is easy to clean. It has a flat, smooth surface does not accumulate dust, germs or bacteria.

### 4 Instant Privacy

In less than half a second, our smart film switches to give instant privacy, cutting out distractions and improving focus.

### 5 Security & Safety

Our smart film also helps strengthen glass so it does not shatter, if a glass with our smart film is broken, it remains in place until replacement.

### 6 Energy Efficient

Our smart film reflects sunlight away, providing good heat insulation, reducing the air conditioner's workload and saving energy bills.

### 7 Natural Light

Our smart film has a UV layer, which helps it eliminate harmful UV rays while letting in abundant natural light.

### 8 Noise Control

Our smart film blocks external noise by 20% and promotes serenity, eliminating distractions and sound intrusions.

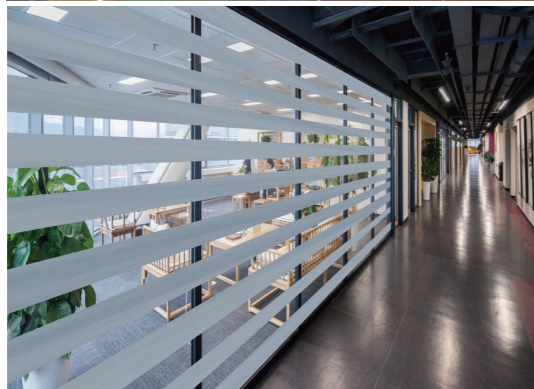
# CUSTOMIZED SMART FILM

Smart Glass Africa offers three customisation options: colour smart film, smart blinds, and UV printing smart film. These options cater to the varying needs of different groups of people.

Color PDLC Film



Blind PDLC Film

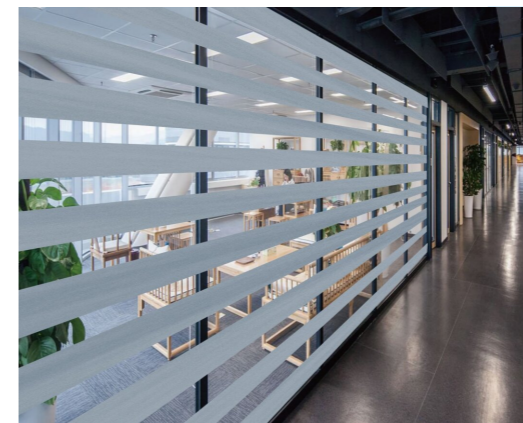


UV Printing Film



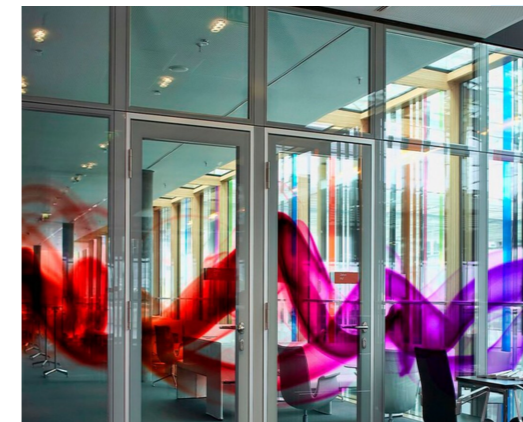
## Color PDLC Film

There are options of black, green, orange, red, blue, and yellow to decorate and enhance privacy simultaneously.



## Blind PDLC Film

New shading solutions that were never possible before enabled us to embed liquid crystal films in various shapes and create in-window blinds that can be controlled to achieve different levels of transparency, styles, company logo opening animation and support for unconventional glass shapes.



## UV Printing Film

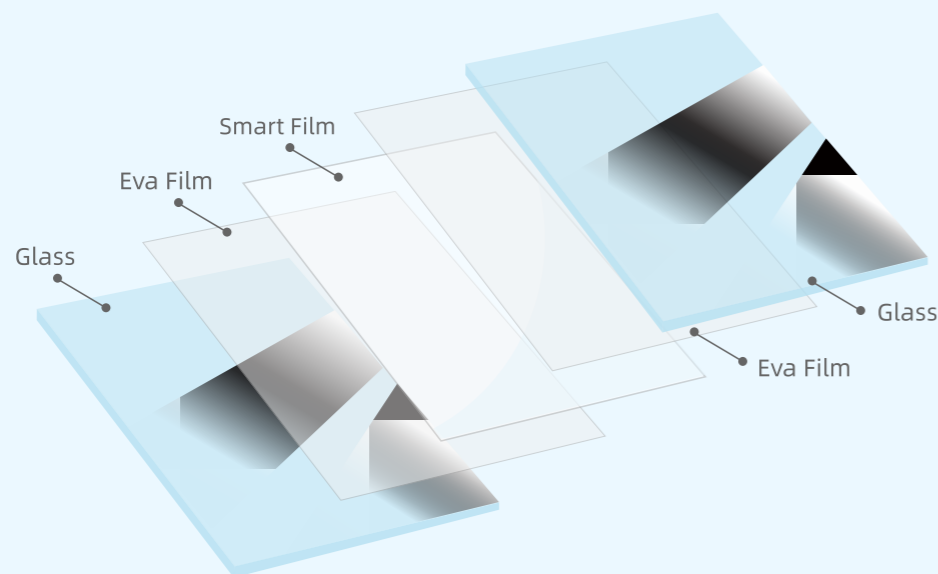
Smart Glass Africa UV printing film uses UV printing technology to print any patterns and pictures customers want on smart films. Compared with standard smart film, it brings a unique visual experience that provides privacy and aesthetics.

## SMART GLASS



Smart glass, also known as laminated smart glass, switchable smart glass, or privacy glass, is a type of glass that consists of a Smart PDLC film sandwiched between two layers of glass. This sandwiched glass is formed under high temperature and high pressure, resulting in a durable and strong material. Smart glass can switch from opaque to transparent immediately at the flick of a switch, providing instant privacy.

Smart glass is available in various thicknesses, such as 4+4mm, 5+5mm, 6+6mm, 8+8mm, 10+10mm, and 12+12mm. Smart glass is designed to be highly resistant to breakage, making it an effective barrier against potential security threats such as burglary. It offers privacy and security and allows natural light to flow through your space, which can help boost productivity and overall well-being.



## Benefits of Smart Glass

### 1 Security

Our smart glass toughness makes it blast-resistant and a formidable barrier against forceful entry.

### 2 Instant Privacy

Our smart glass switches give instant privacy in less than half a second.

### 3 UV Protection

Our smart glass protects against harmful UV rays, protecting furniture and artwork from fading.

### 4 Noise Control

Our smart glass blocks external noise and promotes serenity, eliminating distractions and sound intrusions.

### 5 Hygienic

Our smart glass is easier to clean, unlike conventional window coverings that are harder to clean, thereby accumulating dust and bacteria.

### 6 Energy Efficient

Our smart glass reflects sunlight away, providing good heat insulation, reducing the air conditioner's workload and saving energy bills.