

# China 5+5mm Safety PDLC Film Privacy Smart Glass Factory

## About 5+5mm Safety Smart Glass

5+5mm smart glass also call privacy glass, switchable transparent glass ( STG ), switchable smart glass, smart film glass. It is state of the art laminated glass with a PDLC film interlayer between two sheets of 5mm [safety tempered glass](#). The PDLC film is two layer PET-ITO conducting film + Middle inside (LCD) Liquid Crystal Membrane.

The smart glass is an intelligent high function glass, which has a special characteristic of changing between transparent and opaque by voltage control. When privacy is required the current is switched off and the crystals scatter into a random formation which prevents vision through the glass.

## Safety Switchable Glass Characteristic

- Changes from opaque to clear with switch
- Blocks 99% UV light when turned to opaque
- Provides privacy with a touch of switch
- Saves costs for heating, air-conditioning and lighting
- Avoids the cost of installing and maintaining blinds or curtains
- Degree of transparency can be controlled

## 5+5mm Safety Intelligent Glass Specification

Glass size: Max 3000\*5000mm, when size smaller than 1830\*3300mm, one electrode is enough, larger than 1830\*3300mm, need to use two electrodes

PDLC film: thickness 0.5mm, the widest size 1500m, and no limit on the length

## 5+5mm Safety Smart Glass Application

- Command center of government facilities
- Executive offices and conference room
- Storefronts, Skylights, Windows, Curtain walls

- Office partition & Interior partitions
- Bathroom shower screens

### **5+5mm Safety Switchable Smart Glass**



### **Safety Smart Privacy Glass For Bathroom**



## Intelligent Glass Safety Packing

