

Magic Switchable glass 6mm+6mm Laminated PDLC glass windows and doors manufacturer



For builders looking to stay up-to-date with the latest glass innovations, PDLC (polymer dispersed liquid crystal) windows and doors have become a hot commodity.

Whether you're constructing commercial or residential buildings, these switchable glass solutions offer an impressive combination of style, security and convenience. With the 6mm+6mm PDLC glass window and door manufacturer from Shenzhen Dragon Glass Company you can easily install this cutting-edge technology in your projects for a truly modern finish. Not only do these products boast superior energy efficiency, but they also add aesthetic value while providing greater privacy control than traditional methods – ideal for both new builds and renovations alike!

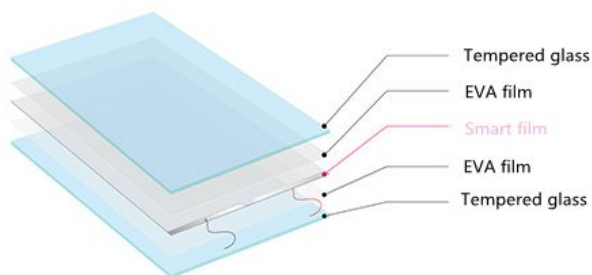
What is PDLC [smart glass](#) switchable glass?

PDLC smart glass, also known as switchable glass, is a dynamic and innovative technology that has revolutionized the world of glass manufacturing. This amazing glass is made using a special type of film that can be controlled via an electric current. When you need privacy, just switch off the current and the glass will turn opaque, providing you with a private and secure environment. Want to let in natural light? Simply switch on the current and the glass will instantly become

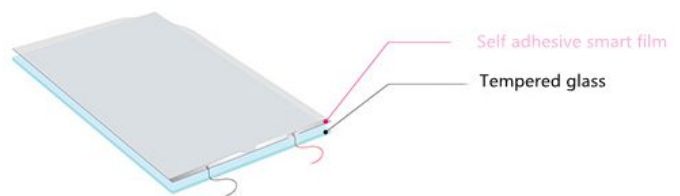
clear. In addition to the convenience of privacy and light control, PDLC smart glass also offers energy efficiency and noise reduction benefits, making it a highly sought-after product for both residential and commercial use.

What is the structure of PDLC glass?

The PDLC core layer, usually 1.5mm in thickness, comprises an array of liquid crystal droplets enclosed in a polymer film. It is interposed between layers of a transparent conductor, ITO (Indium Tin Oxide), and covered by inner panels of optically clear PET plastic (polyethylene terephthalate). The outermost panels are made of float glass, which can be low-iron and tempered.



Laminated smart glass structure diagram



Self-adhesive smart glass structure diagram





Exploit the Beauty of PDLC Glass

1. Experience Privacy and Versatility with Intelligent Dimming Glass:

One of the best features of intelligent dimming glass is its privacy protection function. It allows you to control the glass's transparency anytime, and it's responsive with instant switching between states.

2. Enjoy Peace and Quiet:

The protective film and dimming layer in intelligent dimming glass offer effective noise damping. With hollow form processing, it delivers even better results.

3. Embrace Sustainable Living with Intelligent Dimming Glass:

By blocking more than 99% of UV and over 98% of infrared radiation, intelligent dimming glass offers excellent

thermal insulation and promotes energy efficiency.

4. Save Energy and Cut Costs with Intelligent Dimming Glass:

Intelligent dimming glass saves power by remaining transparent while still allowing ample light to pass through. This feature not only ensures comfort but also reduces energy consumption and costs.

5. Stay Safe with Intelligent Dimming Glass:

With its strong and durable [laminated glass](#) and protective film layer, intelligent dimming glass can withstand impact and prevent debris from scattering in case of accidental breakage. Stay safe while enjoying the features of this innovative technology.

Transform homes and businesses into smart spaces

PDLC smart glass is revolutionizing residential and commercial spaces. The switchable technology allows users to instantly change from transparent to opaque, controlling light, privacy, and decoration in any room or office. This innovative solution is being integrated into a wide variety of applications including windows, partitions, skylights, conference rooms, meeting areas, retail spaces, and even glass furniture.







Quality:

- CE
- ASTM
- AS
- ISO9001
- CCC, etc

Product Applications

- Office, conference room
- high speed rail, subway, aviation applications
- CRH train, subway, aviation applications
- Special hospital application

- Projection touch application
- Bank Counter, Business Office
- Shower room, toilet

Specification:

- **Glass color:** clear, ultra-clear, grey, bronze, blue, green, etc
- **Switchable film color:** purple, green, orange, yellow, blue, red, grey, black, etc
- **Max size:** 2440 x 3660 mm
- **Shape:** flat/curved

Production details:





Packing:



Certifications:



Discover a world of possibilities to transform your space with **Shenzhen Dragon** Glass's Switchable PDLC Glass. Our intuitive and revolutionary products offer an extensive selection that is not only easy to use but also sure to amaze you. Contact us today to unlock the potential of your space.