

SMART GLASS

Smart Glass china supplier and manufacturer. Jing Hai Glass factory is Building architectural glass china company of in Tempered Glass, Switchable Glass Smart Glass, Laminated Glass, Double-glazed, Insulating glass, Hollow glass, Low-E glass, Double silver LOW E Glass, Three silver LOW E glass, Stained Glass, Etc.

Smart glass or switchable glass is glass | glazing whose light transmission properties are altered when voltage, light or heat is applied. Generally, the glass changes from translucent to transparent, changing from blocking some (or all) wavelengths of light to letting light pass through. When installed in the envelope of buildings, smart glass creates climate adaptive building shells, with the ability to save costs for heating, air-conditioning and lighting and avoid the cost of installing and maintaining motorized light screens or blinds or curtains. Blackout smart glass blocks 99.4% of ultraviolet light, reducing fabric fading;



Features :

- It is safety glass like laminated glass;
- Environmental protection, block 90% infrared ray and 98% UV.
- Sound proof, prevent the spread of voice, and reduce the noise;
- Privacy protection;
- Function as projector screen;

Dimension Range

Max 1800mm * 12000mm

Thickness

3, 4, 5, 6, 8, 10, 12mm

Substrate

clear glass, ultra clear glass, tinted glass

Smart Glass DESCRIPTION

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Switchable laminated glass

Colors available: White, Smoke grey, Blue and Green.

Flat glass and Curved glass available

Internal use such as boardrooms, room dividers. External use in applications when used in an IGU combined with Low-e glass.

Electric switchable glass has a simple task that has such impressive results.

Our electric switchable glass changes from white obscure glass to clear glass in the blink of an eye. The applications for this product are significant, ranging from windows to office meeting rooms and even showers or toilets. Imagine a shop or showroom window that becomes a projection screen at night. Free advertising all night. The advertising opportunities are enormous. The limitations are purely your imagination

Switchable glass from Clear glass Solutions can be used internally as laminated glass or externally as part of a double glazed unit. Significant energy efficiencies can be gained by using switchable glass laminated to Low-e Glass.

Product Information

Electric Glass has a function that the transmittance of the glass can be controlled by electrical switching. At The same time, they have a function of the real projection screen whereby images can be projected onto the glass eliminating the need for projector screens or white walls.

Electric glass is transparent when switched on and opaque when switched off.

Safety: Electric glass is a laminate glass, so can be used with toughened glass becoming safety laminate glass.

Environment: Resist more than 90% infrared radiation and more than 98% UV-ray.

Sound-Proof: Electric glass and the film can effectively block all kinds of noises.

Specification:

Max Size: W 1800mm * H 3300mm , Option of : W 1200mm*H3200mm

Glass Spec: Annealed Laminated Glass, Toughened clear glass, toughened Low-Iron Glass , toughened Tinted glass, Insulated Glass Units

Thickness:4mm,5mm,6mm,8mm,10mm,12mm depending on area for use. Laminate

thicknesses can therefore be in any variable utilizing these glass thicknesses.

Curved Switchable glass capabilities: We can curve annealed laminated switchable glass to a minimum radius of 500mm. Curved toughened switchable glass is not an option.

Curved Insulated Glass Units: Curved insulated glass units are possible.

Insulated glass units Size Options: In a double glazed unit, we normally use 9.14mm laminated switchable glass. Therefore the most common size for an IGU is 6mm clear, 9mm air gap and 9.14 switchable giving a total width of 24.14mm. Many other configurations are available

Applications of Smart Glass:

- Hotel Bathroom
- Indoor rooms spacer
- Office partitions
- Curtain walls
- Facades
- Conference rooms
- Meeting rooms
- Hospitality Projection
- Restaurants
- Gymnasiums

PERFORMANCE

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smart glass Laminate interlayer Thickness: 1.14mm

Operating Voltage: AC110V

Frequency Range: 50HZ ~ 60HZ

Amperage: 100mA per square meter

Power consumption: 7W per square meter

Transformer size: 171mm * 155mm * 76mm

Switch Speed: Less than 1 second Optical Performance

Transfer between Frost and transparent through switch

Parallel Light Transmittance: 75% Power on, 10% power off

Sunlight transmittance: 80% power on, 60% power off

Haze: 3% power on, 82% power off

UV block: more than 98%

Visible Angel: 130 degree Operating environment – 20 degree to + 60 degree

Life-span: More than ten years in internal use applications. Panels tested to 1,000,000 cycles without any noticeable change in operation. Panels tested to 3,000,000 cycles noticed an increase in haze leading to loss of clarity when in transparent mode

Quality Guarantee: 12 months.

Contact US:

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