

SWITCHABLE SMART GLASS



Privacy and shading in an instant

No other glazing solution can deliver instant privacy and shading in a glass window, door or partition like switchable smart glass. This technologically advanced, sophisticated product is ideal for a wide range of applications as it gives users the ability to change opaque glass to clear at the flick of a switch, or the press of a button.

Switchable smart glass works using electricity. An ultra-thin film applied to high quality glass is designed to react when an electrical current is passed through it – this simple switch from 'off' to 'on' instantly makes opaque glass transparent. And when privacy and shading is once again required, it is simply switched off.

Morley Glass uses only the highest quality switchable glass film to ensure transparency is maximised. This optimises visual appeal to deliver the perfect balance of functionality and aesthetics in double or triple glazed units, and it is suitable for use in internal or external windows.

Smart technology on every level

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Applications

The range of applications suitable for switchable smart glass is extensive and includes:

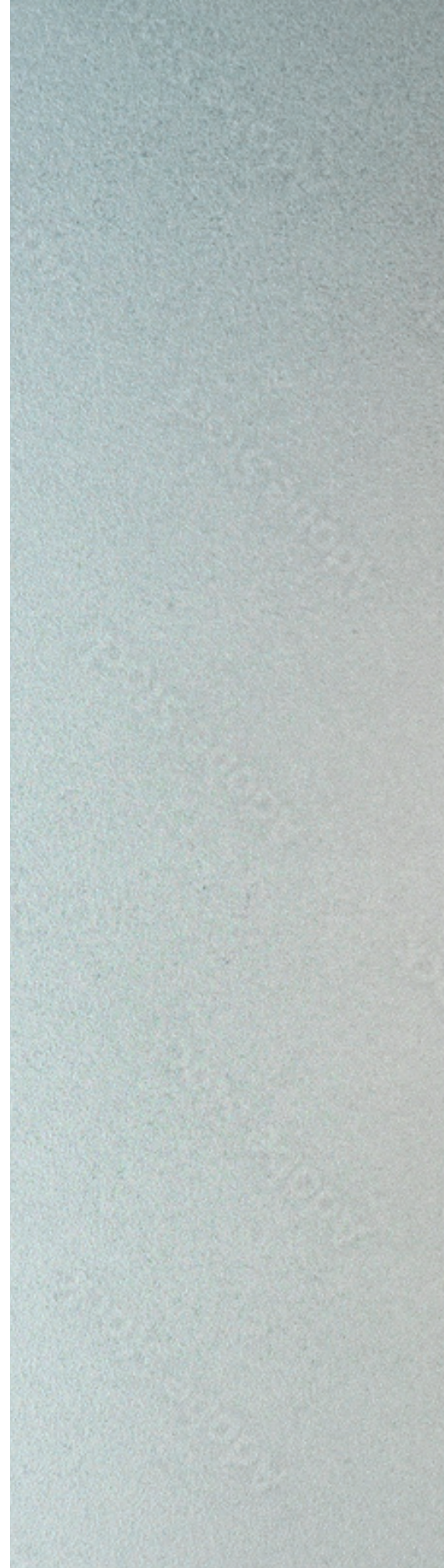
- Residential
- Commercial
- Healthcare
- Hospitality and leisure
- Security

Key benefits

- Instant privacy and shading at the flick of a switch
- Smart, sophistication with clean sightlines
- Highly transparent with the lowest angle haze
- Blocks 99.9% of harmful UV rays
- Clean sightlines with no externally mounted elements
- Very low operational and maintenance costs
- Allows maximum use of space inside the room
- Suitable for a wide variety of shapes
- Provides an acoustic and sound barrier ($\geq 39\text{dB}$)
- BSI (British Standard Institute) tested and certified

Technical specifications

- Light transmission: $> 78\%$
- Haze (blurriness): $< 5\%$
- View angle: 150°
- Acoustic properties: $> 38\text{dB}$ (Subject to requirement)
- Maximum sizes: $1840\text{mm} \times 4200\text{mm}$
- Thickness range: $10\text{mm} - 60\text{mm}$ (e.g. double/triple glazing)
- Glass types: Low-iron anti-reflective, fire rated, security glass
- Colours / shades: Over 50 different colours and shades
- Shapes: Any shape for framed and frameless applications
- Running voltage: $30 - 90\text{ VAC}$
- Power consumption: 5 Watts/m^2
- On/off switching phase: Instantaneous
- UV resistant and water resistant 3rd generation NPRLC film



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