



Smart Switchable Privacy Glass

ToughGlaze have formed a strategic partnership with the most advanced LCD engineering laboratory in the world to particularly and specifically manufacture and produce the most qualified and reliable Switchable Smart Glass to date. The 3rd generation NPRLC film, combined with our exclusive TG-WR interlayer are treated and assembled by our licensed technicians in our London, UK based cleanroom facility.



Advanced Features:

- 3rd Generation NPRLC instead of the 2nd generation PDLC
- Produced exclusively with TG-WR interlayer instead of PVB or EVA
- Largest panel size on the market: 1840mm x 4200mm
- Electrical drivers with cellular connectivity for after sales services
- Highest Transparency while lowest angle Haze

Technical Specifications:

- Light Transmission: $\geq 78\%$
- Haze (Blurriness): $\leq 5\%$
- View Angle: 150°
- Acoustic Properties: $\geq 38\text{dB}$ (Subject to requirement)
- Maximum Sizes: 1840mm x 4200mm
- Thickness Range: 10mm – 60mm (e.g. Double/Triple Glazing)
- Glass Types: Low-Iron Anti Reflective, Fire Rated, Security Glass
- Colours / Shades: Range of over 50 different colours and shades
- Shapes: Any shape for framed and frameless applications
- Running Voltage: 30 – 90 VAC (Adaptors made by ToughGlaze)
- Power Consumption: 5 Watts/m²
- On/Off Switching Phase: Instantaneous
- UV Resistant and Water resistant 3rd generation NPRLC Film

Applications:

- Residential
- Office Space
- Corporate Space
- Partitioning
- Facade / Canopy
- Balustrades
- Sliding Roofs / Doors
- Healthcare
- HD Projection Screens
- Finger Touch Screen
- Marine
- Showers
- Wetrooms
- Sauna
- Swimming Pools
- Aquariums

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