ESG Switchable™
LCD Privacy Glass System Solutions

Over 5 years of development have gone into creating whole glass systems in response to customer needs for more advanced solutions to suit their design requirements. ESG’s new range includes a variety of films to suit different applications, electrical systems with discrete wiring and bus bars, and a new fader control option. ESG Switchable™ is the switchable glass of choice for architects, partitioners and interior specialists.

ESG Switchable™ is available in sizing up to 1,800mm x 3,500mm, custom shapes and sizes, and can be combined with any of our range of security or fire resistant glass products for a total glass solution.

Using only the best carefully selected materials, ESG offers bespoke solutions to fit different applications such as:

• Showers and Wetrooms
• Partitioning
• Corporate and Offices
• Health
• Residential
• and many more

Advanced Features

• The largest size film on the market - up to 1,800mm x 3,500 mm
• High quality film with less haze
• Fader Control option available
• Electrical systems featuring discrete wiring and bus bars
• Can be combined with certified ESG fire resistant and security glass products, acoustic and decorative interlayers
• Can be incorporated in curved panels, cut into odd shapes or even hole punched to accommodate specific display applications
• No distraction of shutters. Not susceptible to mechanical failure like powered shutters, curtains or blinds
• Blocks 99% of UV rays
• Range of voltage options from 36v upwards
• Life expectancy of up to 25 Years with due care
• 5 year warranty
Applications for ESG Switchable™ LCD Privacy Glass include:

**Showers and Wet Rooms**

ESG Switchable™ can be used to open up small bathrooms through increasing the levels of light and space - thus creating a much more pleasant ambience for users. This makes our privacy glass the preferred choice for use in small hotel bathrooms as well as in larger areas as a modern design feature.

- Safe and fully certified to use in wet areas
- Low working voltage from 24v
- Full system solutions
- Bespoke hinges and fittings

**Corporate Use**

ESG Switchable™ LCD Privacy Glass products are available in custom sizes and shapes, making it an ideal choice for architects and designers when creating conference rooms, office & boardroom partition screens, doors, sliding/folding doors, windows and even roof-lights.

- Largest sizing on the market – perfect for partitioning
- Coloured interlayers available
- Optional attributes such as security, fire resistance and decorative interlayers available
- Can be used as a rear projection screen
Introducing

The ESG Aspire Sliding-Folding Door System

The ESG Aspire is a premium Sliding-Folding door system for interior use, offering quality and design excellence. Using an elegant frameless design and with no need for a bottom track, it adds a luxurious design feature wherever it is used to divide living and working space while still allowing light to flow through.

- ESG supply, and can install, the complete system incorporating ESG Switchable™ LCD Privacy Glass, low voltage track and conductive fittings with accompanying electrical control technology.

For more ideas on applications, please visit www.esgswitchableglass.co.uk
Technical Specification

Glass Colour: Can be combined with colour interlayers, a wide range of tinted or patterned glass to meet bespoke requirements

Glass Type: Low iron, annealed, heat strengthened, tempered (All laminated)

Thickness: Various from 10 mm to multi-layer laminates

Size: Maximum size up to: 1,800mm x 3,500mm

Shape: Any Shape including holes

Environmental: Storage –20 °C to 70 °C (-4 °F to 158 °F)

Operation: 0 °C – 70 °C (32 °F – 160 °F)

Electrical: – Driving voltage: from 36 volts A.C.  
– Current: 200 mA per square metre  
– Power: 10 Watts per square metre

Switching Time: Approx. 100 milliseconds at room temperature

Life: Up to 25 Years with due care

Benefits to our Customers

• Total glass solution with ESG Controllable Intelligent Glass Systems
• Manufactured in UK so full technical support and backup
• Supply and installation service
• Electrical systems supply and fit service available
• Solutions for a wide variety of applications
• UK and European-wide delivery service on ESG’s own fleet
• Crating and shipping export service

Our Quality Standards – Your Assurance

We are committed to giving customer satisfaction through service provision of the highest standard. This applies to all areas of our business and is central to our mission.

Our products are tested in house and by Europe’s leading independent, third-party certifiers and testers such as BRE and the British Standards Institute which distinguish our products and services from our competitors, and gives you, our customers, confidence about their performance.

For full information regarding our products and relevant standards they comply with please visit our website

www.esgswitchableglass.co.uk