



As glass technology has improved over recent years, so has the amount of applications that glass is being used for in today's modern architecture. New strengthening and laminating techniques mean that the glass partitions are now stronger than the traditional walls it is replacing.

This increased use of glass allows for maximum light transmission into the building creating a more efficient working environment. It has been proven that increasing light and the feeling of space within offices can improve productivity, with 73% of employees stating natural light was important to their working environment. There are also the obvious cost saving benefits from having less dependence on internal lighting. The one obvious downside to creating such an open environment is the lack of privacy. This is one element that all offices require at certain times; historically blinds have been the solution to this problem, but they harbour dirt and are viewed as out of place in today's modern design led world. The integrated blind / window product offered another privacy solution, but were always at the mercy of mechanical failures, resulting in costly repairs or replacements.

ESG Switchable™ LCD privacy glass offers a state of the art, unobtrusive solution to office privacy. Switched from a standard wall switch, remote control or even integrated BMS, the glass turns from clear to opaque in milliseconds. This allows the transformation of any unpleasant 'gold fish bowl' meeting room into a totally isolated, private space perfect for meetings or presentations. An extra dimension can be added to any presentation, as the glass can be integrated into an AV system; once switched to its opaque state, ESG Switchable can be turned into a full HD screen by projecting directly onto it from the rear.



Commercial Solutions



Being pioneers in the switchable glass market means our product range is not just limited to flat panels. We have also developed the use of switchable LCD within doors with integrated hinges and handles and also sliding bi-fold doors. This allows the ESG Switchable™ range to offer a complete switchable solution for any office design, while the bi-fold doors effortlessly allow large spaces such as conference rooms to be divided off into completely private spaces.

Producing all of our products in-house, at our own factories means that we are able to produce our switchable glass to the exact specifications of any design.

With our fully bespoke service we are able to produce switchable glass combined with any of our other products such as fire resistant or secure glass. Through our years of experience of glass manufacture we fully understand that acoustic privacy is just as important as visual privacy. Our architectural glass is often made with very specific, bespoke levels of acoustic protection, a process we are able to offer on our switchable glass. This allows us to manufacture our ESG Switchable™ glass to suit almost any office application. When looking to create a modern, naturally lit working environment with fully functional, versatile office space; ESG Switchable™ is the clear choice.



Technical Specification

GLASS COLOUR:	Can be combined with colour interlayers or a wide range of tinted glass to meet any bespoke requirement.
ENVIRONMENTAL:	Storage -20 °C to 70 °C (-4 °F to 158 °F)
OPERATION:	0 °C – 70 °C (32 °F – 160 °F)
GLASS TYPE:	Low iron, annealed, heat strengthened, tempered (All laminated)
ELECTRICAL:	Driving voltage: 65 volts A.C.
THICKNESS:	Various from 10 mm to multi-layer
MAXIMUM SIZE:	Up to: 1,800mm x 3,500mm
SWITCHING TIME:	Approx. 100 milliseconds at room temperature
SHAPE:	Any shape including holes
LIFE:	Up to 25 Years with due care
WARRANTY:	5 years