

Intelliglass®



**Leaderflush
Shapland**

OBSCURABLE VISION PANELS FOR DOORS AND DOORSETS

As the leading UK performance doorset manufacturer, Leaderflush Shapland is at the forefront of both technology and innovation

Intelliglass® is an intelligent glazing system that provides the ideal solution where privacy may be required, for example in environments such as hospitals, consulting rooms, banks, therapy rooms, commercial offices and schools.

In certain situations, it may be desirable for vision panels to be obscurable. Intelliglass® enables you to obscure vision panels in any doorset.

The panels can be changed from clear to frosted at the flick of a switch. This intelligent glazing system can be automatically or remotely controlled by connection to a PC or by wireless connection or simply a switch adjacent to the doorset. As there are no protrusions to cause dust or dirt build-up, they are ideal for locations where hygiene is of prime importance.

This innovative application uses liquid crystal glass technology which enables vision panels to be obscured instantly.

The high-tech Intelliglass® vision panel solution is available from Leaderflush Shapland and obviates the need for cumbersome mechanical systems, blinds, shutters or curtains, creating new options for architects and specifiers when designing doorsets.

Intelliglass®

The Intelliglass® Concept

The Intelliglass® concept is to provide an intelligent glazing solution to vision panels that have both aesthetic and functional benefits.

A constant supply of electricity is fed to the vision panel, which creates 100% visibility. When the power is turned off, the vision panel is obscured.

Intelliglass® uses solid state technology requiring no moving parts or special maintenance. Power consumption is less than 5 watts per square metre, making this a cost effective, environmentally friendly solution.

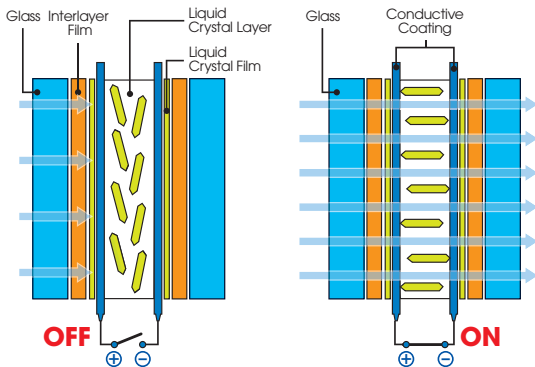
Intelliglass® is available in two standard sizes: 400mm x 400mm and 800mm x 250mm. For non-standard sizes please contact our Technical Services Department on: 01773 530500 or email: enquiries@leaderflushshapland.co.uk.

Technical Information

The Intelliglass® vision panel incorporates LC SmartGlass technology. It is real life tested to last for a minimum of 10 years.

Glass Panel

Liquid crystals are sandwiched between two layers of transparent conductive film to make LC Privacy Film. The film is then laminated between two pieces of glass. When electricity is applied to the film the liquid crystals line up and the vision panel is clear. When the power is turned off, the liquid crystals return to their normal positions and turn the glass from clear to obscured.



Fire

Intelliglass® has been independently fire tested and accredited under the third party BWF CERTIFIRE scheme.

Durability

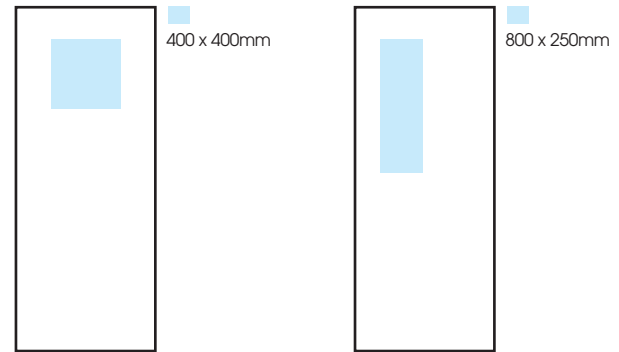
Durability has been proven through an automated switching process of over 3 million cycles.

Wiring

All electrical installations must comply with legal requirements.

Elevations

Intelliglass® panels are available in 2 sizes:



Intelliglass® specification

Intelliglass® provides an excellent design innovation in doorsets creating new options for specifiers.

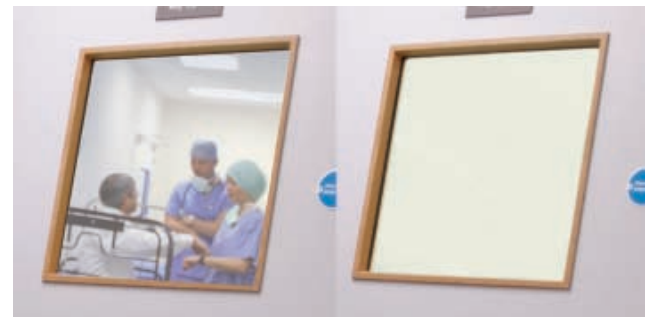
The following is a standard NBS specification for Intelliglass®. If you have any queries regarding the capabilities or options available with Intelliglass® please contact our Technical Services Department.

Why specify Intelliglass®?

- Can be electronically controlled and linked to a variety of building management systems.
- Provides 100% visibility
- Provides 100% privacy
- Removes the need for blinds or curtains
- Allows aesthetic uniformity
- No protruding mechanisms
- Available as side panels and fanlights

100% visible

100% obscured



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The future of performance doorsets