



Intelligent glass, at the flick of a switch.



Eureka SkyDeck - 'The Edge' Melbourne

Skydeck 88 is the only observation deck in the world that can thrill you with 'The Edge' - a glass cube which projects 3 metres out from the building and suspended almost 300 metres above the ground.

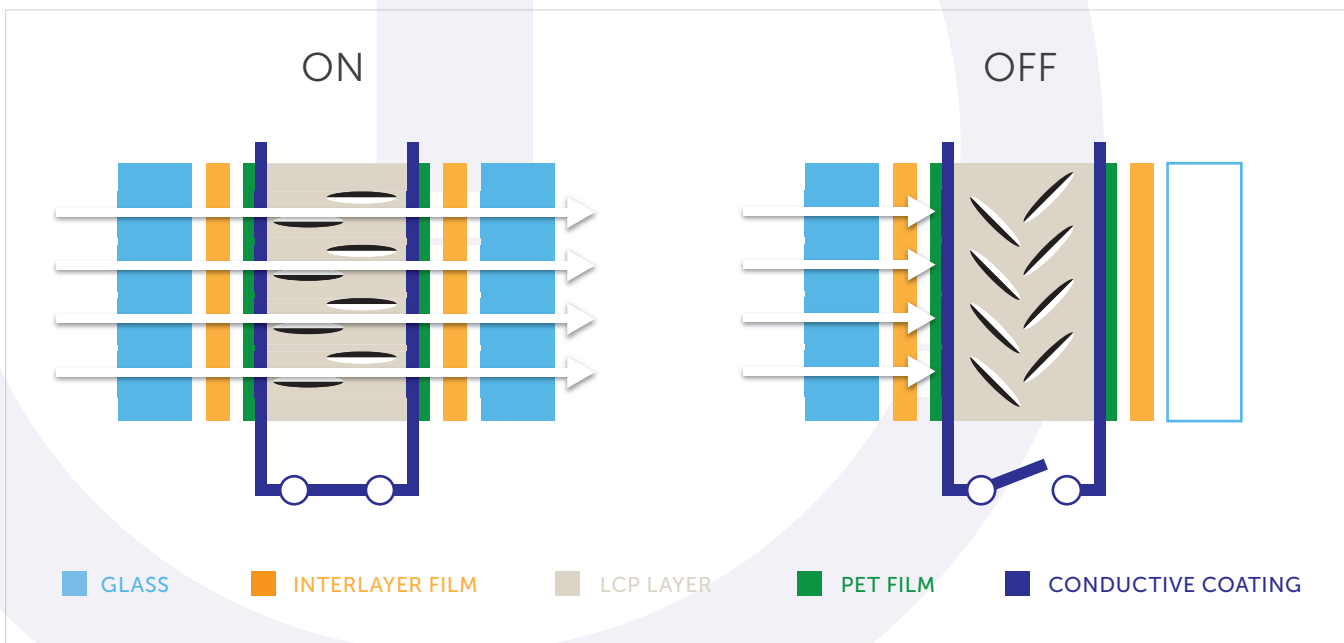
iGlass® was used to provide the opaque walls of the cube as it begins its extension from the building. Once fully extended, the iGlass® is activated, turning the opaque glass transparent, revealing the breath taking view of Melbourne.



Privacy and comfort with switchable glass.

iGlass® is an instantaneous switching system that is laminated between 2 pieces of glass. At the flick of a switch, you can change your glass from transparent to completely opaque. This is achieved through a special Liquid Crystal Polymer coated film.

Liquid Crystals are dispersed within a formulated polymer matrix, enabling the particles to be aligned parallel in respect of each other when the flow of electricity occurs. When the flow is stopped the crystals return to their original position (randomly orientated to each other), blocking the flow of light.



Bendigo Health
Bendigo





High Definition Projection Screen

iGlass® doubles as a projection screen eliminating the expense and clutter of separate built-in screens. iGlass® also offers unique and exciting opportunities to visually communicate to large audiences in convention centres, exhibition halls, retail space, showrooms and shop fronts.



Lexus Model Launch
Europe

Specification

Grade A safety Glass (comply with AS2208, ANSI Z-26, EN 12600)
For custom engineered facades, media facades, 6 star energy rating product, please contact us.

Performance*	On/Transparent	Off/Opaque
Light Transmittance	78%	53%
Haze	5%	90%
Power Consumption	3.5-5W/m2	0
Operating Voltage	110V	0

*Measurements carried out using 4mm + 4mm iGlass Laminate with clear float

Glass Types

iGlass® can be produced in any thickness of glass, and can be used with toughened, low-e, tinted and ceramic printed glass.



Case Study: Switchable Medical Glass

Privacy

Legislative changes within some jurisdictions are demanding more control of privacy for the patients who cannot control privacy on their own within health care environments.

Monitoring

Reduced staffing levels during night-time are a challenge for care-givers to visualize patients and their behaviour to provide optimal care and attention. Using iGlass® Switchable Medical Glass, architects are increasingly designing dynamic walls. Patients can be seen with one sweeping glance of the ward or unit with the glass turned on.

Improved Health Care Worker Productivity

Traditional hospital design has used opaque walls; hence no natural light enters through to the working space of healthcare worker. Designers are now widely seeking materials like switchable medical glass, which enables daylight harvesting and instantaneous control of privacy to improve their working space, which, in turn enhances productivity of health care worker.

Improve Health Care Budget

By using switchable medical glass, there is no need to furnish windows with curtains and blinds, which consumes significant amounts of budget due to maintenance and replacement costs.

By reducing elements that require touching (e.g. when drawing curtains) within the design, bacteria and virus transmission is reduced. iGlass® switchable medical glass can also be made with TiO2 coated glass to enhance the effect of anti-microbial activity at the surface of the glass. Less infection rate will equate directly to less patient time in the hospital and complex treatments from infections.



Liverpool Eye Clinic
Liverpool, NSW

iGlass® is suitable for

- Cardiac Units
- Child and Adolescence Units
- Operating Theatres
- High Dependency Units
- Adolescent Rooms
- Radiology
- Cancer Centres
- Intensive Care Units
- Emergency Rooms
- Neonatal Wards



For samples, a demonstration, or even just a chat to find out how iGlass® can revolutionise your next project, visit www.coolingbros.com.au/iglass or email info@coolingbros.com.au