

PRODISPLAY™

TECHNOLOGIES



ON



OFF



PROJECT

LCD GLASS AND LCD FILM

LCD GLASS

PRODUCT



Dayview™ LCD Glass is a revolutionary new product which will transform the glazing industry. This special glass laminate consists of a liquid crystal polymer which changes its visual appearance when an electrical current is activated. A simple ON - OFF mode transforms the glass from being clear (transparent) to opaque (translucent). When the glass is in its opaque or frosted state images can be rear projected onto the glass to create a high definition display screen (UXGA resolution). Dayview™ LCD Glass has many applications, but is primarily used for privacy, security and visual display.



FEATURES

Dayview™ LCD Glass is suitable for both indoor and outdoor applications (with protection). Replacement LCD Glass panels can be produced to custom sizes (maximum w 98cm x h 280cm x 38.5" x 110"). Multiple panels can be positioned side by side for large glazed areas.



- switches from clear to frosted
- privacy and security
- rear projection screen
- high UV projection
- simple and safe to use
- custom sizes
- indoor and outdoor
- durable and reliable.

APPLICATIONS

HOME

- windows and doors
- conservatories / sun rooms
- screens and partitions
- furniture / cabinets
- PC / video projection screen

BUSINESS

- office windows and partitions
- store fronts / visual displays
- privacy and security glass
- information / advertising screens
- counters / reception displays

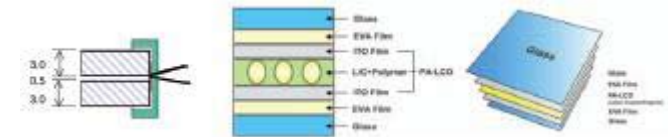


SPECIFICATIONS



PA-LC is a new technology from Pro Display™, which allows the transmitting or blocking of light dependant upon an electrical current being switched ON - OFF. The PA-LC (Polymer Assembled Liquid Crystal) is applied between two ITO films and sandwiched between two pieces of float glass. LCD Glass is similar to normal laminated glass and can be installed in the same way.

10.5 m m LCD GLASS LAMINATE



TECHNICAL DATA

ITEM	DESCRIPTION	SPECIFICATION
Operating	ON OFF	Transparent Translucent
Voltage		110 VAC
Response Time	ON <> OFF	Less than 1 second
UV Blocking	ON/OFF	98%
Glass Size	To Order	Price per square metre/yard
Glass Thickness	Standard Optional	10.5mm (0.41") 6.5mm (0.25") Custom sizes available upon request
Colour	Standard Optional	White (using clear glass) Blue, Green, Bronze

LCD FILM

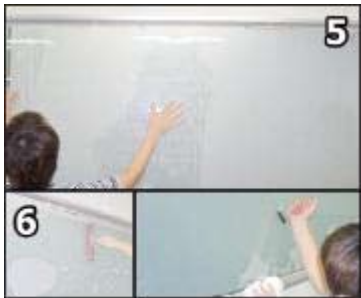
INSTALLATION



Dayview™ LCD Film can be applied to existing glass using special UV cured optical glue.

Installing the LCD Film –

- 1-2. Clean the existing glass.
3. Prepare the LCD Film.
4. Spray the optical glue onto the glass.



5. Position the LCD Film on the glass
6. Disperse the optical glue, removing any air bubbles.



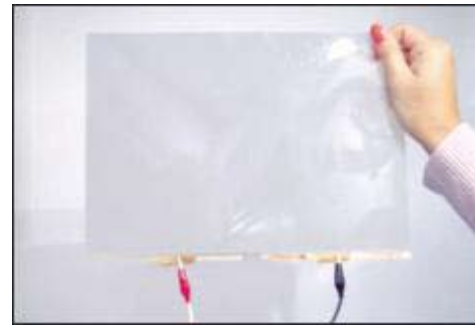
7. Clean off any excess glue.
8. Cure the glue using a UV lamp.



9. Connect electrical cable to contact strip.
10. Apply plastic protective cover strip.



PRODUCT



OFF



ON

Pro Display has recently made major developments with the PA-LC technology and it is now available as a Film that can be simply applied to existing glass. The film works in the same way as the LCD Glass, but offers greater flexibility in the market, especially where it is difficult or costly to replace the existing glass. Other benefits include applications on curved glass and custom shaped LCD panels. By applying a mirror reflective film to the glass surface first, the LCD Film can be used as a front projection screen.



NEW pre glued version of the LCD Film, simply peel off the protective film and apply.

SPECIFICATION

LCD Film Laminate: PA-LC - Polymer Coating - PET Protective Coating (370 Microns)
Power - 110 VAC
Frequency - 50 - 60Hz
Electrical Current - 0.1 amperes per sq. metre/yard
Switching - less than 1 second
Operation mode - (ON) transparent (OFF) translucent

APPLICATIONS



The LCD Film has been designed primarily for internal applications, if it is used on external glazing it must be protected against UV. The Film can be produced to custom sizes (maximum w 98cm x h 300cm 38.5" x 118"). Multiple panels can be positioned together to create a virtually seamless display.

LCD PRODUCTS



LCD GLASS PROJECTION SCREENS

Available in 3 standard sizes (front or rear projection)
(50", 62", 74" diagonal 16:9 aspect ratio)



DESIGNER LCD GLASS STAND

Innovative LCD Glass Screen - 980 x 1700mm
(wood or aluminium base with built-in sound)



PORTABLE PROJECTION CART

67" Rear Projection LCD Glass Touch Screen
(innovative display solution with built-in sound)



TECHNOLOGY



SOUNDPOD™

Pro Display's SoundPod™ audio transducer turns any surface into a loudspeaker. This very unique sound technology can even transform glass - turning windows and glass partitions into a truly invisible sound source. Simply attach the device to the glass surface, sit back and listen to the amazing results. Ideal for store window applications.

NOW AVAILABLE - LCD GLASS INTERACTIVE TOUCHSCREENS

LOCAL DISTRIBUTOR

PRO DISPLAY UK

PRO DISPLAY USA

PRO DISPLAY ME