



Client: Windsor Knee Clinic, NHS Trust
Contractor: Applied Workspace
Date: September 2009

LC SmartGlass for Infection Control

Through continued studies it has been proven that sheer, easily cleaned surfaces are essential in hospitals in order to reduce the risks associated with the spread of "super bugs" such as CDIFF and MRSA. LC SmartGlass provides the ideal solution offering a sheer, easily cleaned surface to replace traditional blind systems which are often difficult to clean and high risk in terms of harbouring dirt and bugs. This greatly facilitates the deep-cleaning process as a considerable amount of time is saved compared to traditional cleaning techniques.

Infection control is a key priority within the healthcare sector at the moment with a series of challenging targets in place with regular assessment.

Infection Control

BMI Healthcare strives to ensure that the risk of infection for their patients is kept as low as possible and a focus on hygiene and infection control is one of their top priorities.

Infection Prevention and Control is taken very seriously within BMI Healthcare hospitals and every hospital has a dedicated infection control team. Because best practice constantly evolves, so too do the policies and procedures within each hospital on infection control.

The Corporate Head of Infection Prevention and Control works with each hospital's infection control team on a regular basis to ensure the implementation of evidence based principles and practice.

SmartGlass International

SmartGlass International is the dedicated manufacturer of Electronically Switchable Glass. With the intention of concentrating our products and markets we only produce electronically switchable glass products and through continued research and development initiatives we have developed specific medical applicable products with the assistance of the NHS in the UK and various health professionals throughout Ireland, Germany and the Middle East. The use of intelligent smart glass provides added value and increased flexibility in new and upgrade hospital designs, reduces HCAs, improves working environments and building ergonomics, saves energy, and increases the well being of occupants.

LC SmartGlass

Using a minute electrical current, users can immediately switch the LC SmartGlass from clear to private (opaque) and vice versa. All LC SmartGlass panels are bespoke manufactured using a lamination process which encapsulates a PDLC film between 2 or more glass sheets. LC SmartGlass can be manufactured and supplied to suit varying healthcare requirements such as fire rated, x-ray proof and impact resistant. When the electrical supply is switched on, the liquid crystal molecules align and incident light passes through and the LC SmartGlass panel instantly clears.

Switched "On"

Switched "Off"



LC SmartGlass Doors – Treatment Room Entrance

Switched "On"

Switched "Off"



LC SmartGlass for Patient Privacy & Dignity

The NHS are working to improve privacy and dignity for their patients as a key priority during the coming years; over the past year they have invested over £1.6 billion to improve the 'patient experience' on hospital wards throughout the UK. LC SmartGlass provides instant privacy when switched to its "off" state allowing patient privacy and dignity at all times. This eliminates the need for curtains or blinds thus creating a more aesthetically pleasing finish as well as a low maintenance, easy clean surface.

Windsor Knee Clinic

The Windsor Knee Clinic is dedicated to delivering the very best in quality and value to their patients. This was significantly reflected in the design brief with state of the art patient surroundings being the central focus throughout. LC SmartGlass was used in a door system for each consultancy and treatment room within the clinic. Deep-cleaning and infection control preparation can be carried out efficiently and comprehensively within each consultancy and treatment room at the clinic. Patient privacy and dignity is protected at all times within the clinic as each room can be transformed into a confidential space instantly at the flick of a switch.



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