

Queen Elizabeth Hospital

securistyle⁷

Brief

To design a patient-friendly, state-of-the-art hospital able to service Birmingham and the Midlands whilst providing the highest level of medical care.

Location
Birmingham, UK



Product
Parallel Plus



Architect

BDP
White Young Green
Hulley & Kirkwood
Couch Perry &
Wilkes



System
Company

Permasteelisa



Details

This £545M project took 8 years to plan and it was completed in 2010. Birmingham Hospital was built to the highest specification to create a bright and welcoming environment for visitors and patients with the most up to date medical equipment available.

The hospital includes 30 operating theatres, 1,213 beds - 44% of these are single rooms, the remainder of the beds are in wards of 4 beds with en-suite facilities. Smaller wards and single rooms will help in the fight against superbug infections in the hospital.

Facilities included the latest diagnostic scanners, brand new operating theatre equipment and hand wash stations to ensure all hospital users are aware of the need for cleanliness on the wards.

The design also incorporates a 'pedestrian plaza' linking the hospital site with the Birmingham

The use of the Securistyle Parallel Hinge System means that windows can be opened a small amount whilst still allowing

**optimum
natural ventilation
and air flow**

through the buildings



University medical school. The Royal Centre for Defence Medicine was also relocated to the new building and a new mental health unit was included in the hospital.

The use of the Securistyle Parallel Hinge System means that windows can be opened a small amount whilst still allowing optimum natural ventilation and air flow through the buildings, fresh air is vital in keeping wards free of infection. Furthermore, the Parallel hinge is perfectly suited to this type of project as the



opening distance is much less than a standard vent, meaning windows can remain open without the risk of a child or vulnerable patient falling.

From an architectural perspective, incorporating the Securistyle parallel systems into modern structures not only allows for more favourable, and economical, natural ventilation, but also allows the reflective facade of the structure to be maintained even when the windows are open.

As with the other commercial hinges developed by Securistyle, the Parallel system is manufactured from high grade 304 austenitic stainless steel. The specifically selected high-grade material provides increased strength and guaranteed long-term resistance to corrosion, fully supported by a 12 year guarantee.

[The 304 austenitic stainless steel] provides

***increased strength
and guaranteed
long-term
resistance to
corrosion***

Securistyle

Kingsmead Industrial Estate, Princess Elizabeth Way,
Cheltenham, Gloucestershire, GL51 7RE, UK.
Telephone: +44 (0) 1242 221200 Email: info@securistyle.co.uk
www.securistyle.com

© Securistyle November 2018