

PROJECT  
QUEEN  
ELIZABETH  
UNIVERSITY  
HOSPITAL  
GLASGOW

Inspiring Great Spaces™

**Armstrong®**

CEILING SYSTEMS



Armstrong 600 x 1200 Bioguard Acoustic Board on Prelude 24mm Grid with Axiom Plasterboard to Tile Transition

The new South Glasgow University Hospital and Royal Hospital for Children renamed the Queen Elizabeth University Hospital, is a benchmark project for many reasons. One is its size – being the largest hospital building project in Europe to date and another its design which is colourful in its use of internal “floating” cantilevered pods. It is equally ground-breaking in the background, being the largest off-cut recycling project to date by Armstrong Ceilings who diverted more than 10,000m<sup>2</sup> or 35 tonnes of mineral ceiling tile off-cuts from landfill. Such was the size

of the project that it required two members of Armstrong’s Green Omega network of specialist sub-contractors especially recognised for their recycling expertise – Roskel Contracts and PFP Ltd.

The 170,000m<sup>2</sup> combined adult and children’s hospitals are expected to treat 750,000 patients, including 110,000 A&E patients, every year. It has one of the biggest emergency departments in Scotland, 30 state-of-the-art operating theatres and a dedicated laboratory block.

**Architect**

IBI Group  
(formerly Nightingale Associates)

**Main Contractor**

Brookfield Multiplex

**Client**

NHS Greater Glasgow & Clyde

**Ceiling Contractor**

Roskel Contracts Ltd  
PFP Ltd



Bespoke 225mm Axiom Profile bulkhead



## SOLUTIONS

Queen Elizabeth University Hospital is the largest project to date featuring elements from Armstrong Ceilings' service and systems portfolio – not just tiles for acoustic and healthcare purposes but also a variety of suspension and Dry Wall Grid systems with bespoke Axiom perimeter solutions – backed by the company's industry-leading 30-year systems warranty.

30,000m<sup>2</sup> of Armstrong's lifetime-guaranteed Dune Supreme Tegular mineral tiles as well as 110,000m<sup>2</sup> of Armstrong's Bioguard Acoustic Board 600 x 600 and 1200 x 600 healthcare tiles on a Prelude 24mm grid were installed over 5 years.

A variety of Armstrong suspension systems were used on the project including 70,000 linear metres of the Drywall

Grid System for use with plasterboard ceilings (including curved DGS around the nurses' stations in the wards), 12,000 linear metres of Axiom plasterboard-to-tile transition trims in corridors leading off a central atrium, 10,000 linear metres of Axiom profiles (which help with ceiling level changes, floating ceiling construction and lighting integration) and 40,000 accessories including connecting brackets, clips and hanging brackets.

In addition, in the cantilevered pods that are the most jaw-dropping element of the project, a 100mm Axiom profile was coupled with a bespoke 225mm Axiom profile and riveted together to create a 325mm bulkhead/upstand at a custom length of 3.6m. This particular method took just 25% of the installation time compared to traditional plastering methods.



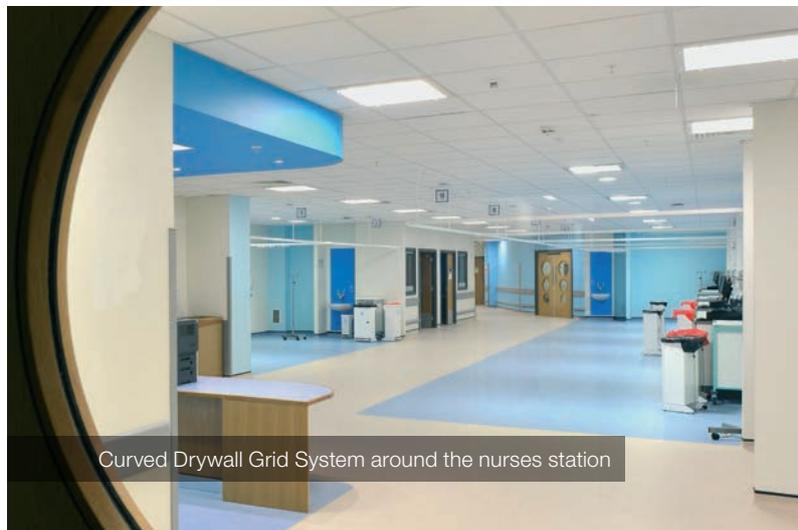
Armstrong Drywall Grid System



600 x 1200 Armstrong Bioguard Acoustic Board Tiles with Axiom Plasterboard to Tile Transition



Armstrong 600 x 600 Bioguard Acoustic Board tile on Prelude 24mm Grid



Curved Drywall Grid System around the nurses station

## TESTIMONIALS

Green Omega specialist contractor PFP's Gary Mortimer said *"The sheer size and complexity of this project could have made it an extremely challenging one but the recycling element, particularly with Skipeez on board, went very smoothly. We had never used such a variety of Armstrong systems before on one project but thanks to the level of support we received from Armstrong's local sales and technical teams and the distributor, we managed to deliver a project we are all very proud of."*

James Bailey, senior quantity surveyor for Brookfield Multiplex, said the Armstrong wall-to-wall ceiling systems specified by the architects had met all the required SHTMs (Scottish Health Technical Memorandum), were a *"suitable product range for a major hospital"* and had been used extensively as a major internal fit-out component throughout both the adult and children's elements. He also added *"Armstrong's commitment to recycling damaged tiles and off-cuts was a key factor in their selection for this project"*.



100mm Axiom Profile coupled with a bespoke 225mm Axiom Profile riveted together to create a 325mm bulkhead



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