

PROVEN PERFORMANCE

TOPFLOW

The ultimate free-flowing, self-compacting concrete

FLOORING SOLUTIONS

Product TOPFLOW

Client GORBALS HEALTH CENTRE

Main Contractor MORGAN SINDALL

Sub Contractor DALCON

Specialist Contractor TARMAC FLOORING SOLUTIONS

Location LAURIESTON ROAD, GLASGOW

Completion AUGUST 2017

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THE CHALLENGE

Tarmac Flooring Solutions were asked to install 7,000m² of ground floor and upper floor composite slabs for a new £13m purpose built, multi storey healthcare centre to the south of Glasgow city centre. Due to the proximity of the site to local residents, there were stringent noise restrictions. This meant that work would need to be completed within a restricted time window and completed by 5pm each day. It also meant that the power floating of conventional concrete was not an option and that an alternative approach had to be considered.

THE SOLUTION

From the beginning, experienced staff from Tarmac Flooring Solutions worked closely with the contractor to understand the nature of the site and their specific requirements. They recommended a mix that used TOPFLOW, Tarmac's high performance self levelling concrete.. The highly fluid, fast flowing consistency would allow the large areas of floor slab to be poured quickly, within the time constraints of the project. As the product was proven to consolidate easily around deck profiles and produce an even, level surface, there would be no need for vibration or power floating. This meant less noise and disruption for local residents.

RESULTS AND BENEFITS

As planned, Tarmac Flooring Solutions successfully supplied and installed over 900m³ of TOPFLOW self compacting concrete over six pours. Throughout the installation, Tarmac staff managed project logistics and ensured consistent supply of high quality concrete and a high quality finish that met the client's specification. All work was completed within the required tolerances of SR2 (ground floor) and +/-5mm under a 2m straight to the upper floors. This approach meant that work could be completed well within the agreed schedule and in compliance with restrictions on noise levels.

For more details contact flooringsolutions@tarmac.com
or call James Donnelly, Engineering Manager on **07483 340 798**

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