

PROVEN PERFORMANCE

TOPFLOW

The ultimate free-flowing, self-compacting concrete

FLOORING SOLUTIONS

Product TOPFLOW

Client/Main Contractor BELLWAY HOMES

Sub Contractor JAMES PAUL SERVICES LTD

Specialist Contractor TARMAC FLOORING SOLUTIONS

Location OCHRE YARDS, GATESHEAD, NEWCASTLE-ON-TYNE

Completion MAY 2017

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THE CHALLENGE

Tarmac Flooring Solutions were asked to work on this modern apartment complex, situated on the south bank of the River Tyne, within a mile of Newcastle city centre. The apartments were designed using a light-weight steel framing system with composite slabs on metal decking for the structural floors. This type of build system requires precise tolerances when constructing the floor slabs. The proximity of other residents in neighbouring blocks also meant that noise had to be kept to a minimum, which ruled out the use of power floats with a conventional concrete.

THE SOLUTION

Using their experience of working on similar sites, Tarmac Flooring Solutions recommended TOPFLOW self compacting concrete incorporating steel fibres for reinforcement. This approach helped to avoid the time and cost associated with the fixing of traditional steel mesh reinforcement. The flowing consistency of the mix, also increased the speed of installation. It enabled the precise levels required by the client to be achieved without vibration and power floating. This all meant simplified site logistics for the main contractor and less noise and disturbance for local residents.

RESULTS AND BENEFITS

Tarmac Flooring Solutions supplied and installed 300m³ of TOPFLOW, in three pours over an area of 2850m² including a single pour of 154m³. Using their expertise they were able to ensure that the project was planned, implemented and completed according to the clients brief. As a result, they were able to achieve floor slabs with a high quality finish, while also minimising noise and time on site. The customer was sufficiently impressed by the speed and construction, finish and level of service, that TOPFLOW is now specified on all systems used by this customer.

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

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SBN/1117