

PROVEN PERFORMANCE

TOPFLOW, WHITECHAPEL STATION REFURBISHMENT, LONDON
THE OPTIMUM SELF-COMPACTING CONCRETE

TOPFLOW

Product SPECIALIST TOPFLOW SELF-COMPACTING CONCRETE

Client CROSSRAIL

Main contractor VINCI CONSTRUCTION

Location WHITECHAPEL, LONDON

Date of completion 2018

Topflow enables the rapid and effortless construction of high-quality vertical surfaces with the need for little or no remedial work.

THE CHALLENGE

East London's vibrant and culturally diverse Whitechapel area, is undergoing a transformation as part of Crossrail's £110 million project to give a facelift to Whitechapel station. The works which started in 2011 will see the new station act as an interchange between the Crossrail, Hammersmith and City, District and London Overground lines. Work is being conducted within a tightly constrained and highly populated area, with the aim of causing minimal disruption to daily commuters in and around Whitechapel.

OUR SOLUTION

We supplied all the Readymix concrete for four large pours totalling 3,000m³ that went down throughout the night. Part of the specification had a limit on the core temperature of the placed concrete so we developed a new lowheat Topflow mix over a four week period that was used for lining the walls. Due to the highly congested environment and heavily reinforced nature of the structure at Whitechapel station, a product was required that would easily flow through steel structures. The client specified a bespoke blend of our specialist Topflow selfcompacting concrete.

RESULTS AND BENEFITS

Topflow's rapid, flexible and easy placement means that large volumes could be poured quickly. Separate pours were scheduled in quick succession to enable the "leapfrogging" of pours and minimise the number of stop-ends required, which saved time and helped to create a better aesthetic finish. Each pour provided enough concrete for the full 5.55m height of each retaining wall, and had to be completed in one continuous pour. We reacted very quickly to the challenge of providing low heat concrete for the lining walls and we now have a new product in our Topflow range.

TOPFLOW

For more details contact your topflow@tarmac.com or call **0800 1 218 218**

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