

MILTON COURT, LONDON

CONSTRUCTING HIGH RISE BUILDINGS HAS ALWAYS BEEN A CHALLENGE, PARTICULARLY WHEN CONCRETE HAS TO BE CAST IN-SITU. UTILISING YEARS OF EXPERIENCE AND KNOWLEDGE, CEMEX WERE ABLE TO OFFER THE CUSTOMER A RANGE OF PRODUCTS THAT MET SOME VERY LOFTY EXPECTATIONS...

→ CEMEX were approached to supply the prestigious Milton Court development in central London. Comprising a 36 floor building housing luxury apartments and an annexe to the Guildhall School of Music.

→ THE CHALLENGE

For many years, the practice of slip forming has been central to the high rise construction process, allowing for large and continuous concrete structures to be built. Due to the nature of the process, slip forming requires a concrete mix that is not only quick-setting, but also retains a good amount of workability to allow the formwork to 'slip' and support the fresher concrete above. When you add to this the complications of pumping the concrete up 36 floors from a site footprint of only 40m x 50m in a central London location - a fresh approach to the mix design was required to ensure that the customer could adhere to the stringent pour schedule.

→ THE SOLUTION

CEMEX engaged at an early stage, in the project, assisting the contractors to select the correct mixes for the range of applications and challenges on the site. Although CEMEX had a number of years experience in supplying large slip form projects around London, this project saw a step forward in performance of the materials and the ability of CEMEX to meet the demands and pressures of such a challenging contract. The contractor was able to achieve lifts of 1.8m per day with all of the concrete being pumped into place. The 200mm thick floor slabs were also pumped into place and the optimisation of our mix designs allowed the contractor to reduce the cycle time per floor. A great deal of logistical planning was also required, as the limited space on site meant that all deliveries had to be precisely scheduled, minimising disruption to the local area whilst keeping a consistent supply.

→ THE OUTCOME

The contract was successfully completed by CEMEX and involved successful close collaboration with the Contractor. CEMEX met the requirements of the demanding programme and significant expectations for the concrete technical performance. Another great demonstration of the expertise and experience of our London Readymix operation.

KEY FACTS

- » Contract - Milton Court, City of London
- » Customer - Byrne Brothers & Sir Robert McAlpine
- » Volume - 17,000m³





CEMEX UK Materials

CEMEX House
Coldharbour Lane
Thorpe
Egham
TW20 8TD

Telephone: **01923 568 833**
Email: **gb-enquiries@cemex.com**
Website: **www.cemex.co.uk**

