

ULTIMATE EXPERIENCE

TOPFORCE, PROJECT RESORT, PENDIGO WAY, NEC BIRMINGHAM
THE ULTIMATE FIBRE REINFORCED CONCRETE FOR MAXIMUM STRENGTH

 **LAFARGE
TARMAC**

READYMIX CONCRETE

Product TOPFORCE

Client MCGEE GROUP LIMITED

Main Contractor GALLIFORD TRY

Location NEC, BIRMINGHAM

Completion 2015

TOPFORCE

Topforce brings added concrete strength without the need for steel mesh reinforcement.

THE CHALLENGE

Project Resort built on the NEC Group owned site is a major entertainment and leisure hub, which will include a Gentings Casino, hotel, bars and restaurants. McGee Group were faced with a very busy site and tight programme which was running behind schedule. They contacted Lafarge Tarmac to discuss options for speeding up the construction process and improving health and safety. Due to the perimeter of the building being the same as the perimeter of the site boundary, Lafarge Tarmac overcame the challenge of severe storage and access issues required for steel work storage.

OUR SOLUTION

Our expert team at LT supplied 1800m³ of Topforce, a high performance steel-fibre concrete, as a solution to meet the challenging environment. This not only freed up valuable storage space proposed for steel work storage but, just as importantly, allowed the three operational tower cranes on site to reallocate resources to suit a speedier build programme. Topforce has the added benefit of no manual handling combined with high flexural strength reducing the risk of drying shrinkage cracks as well as all the advantages of steel mesh, yet without the extra cost and time.

RESULTS AND BENEFITS

Lafarge Tarmac supplied approximately 24,000m³ over the year with their element of the project finishing in 2014. Their team of technical support and Product Development Manager's were on hand every step of the way throughout the project and delivered a more environmentally efficient, tough concrete solution on time and on budget. With no steel 'mesh' reinforcement needed, overall labour costs were minimized and site-safety improved.



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