ULIMATE EXPERIENCE

HEATHROW TERMINAL 5
SUPPLYING THE CONSTRUCTION OF THE LARGEST FREE STANDING STRUCTURE IN THE UNITED KINGDOM
SUMMARY

The world’s busiest international airport and the largest construction project in Europe at the time, T5 is an innovative and extremely complex multi-modal transport interchange designed to meet the challenges of the 21st century and handle up to 30 million passengers a year.

THE CHALLENGE

To build the largest freestanding structure in the UK, a complex multi-modal transport interchange that would increase capacity of the world’s busiest international airport to handle up to 30 million additional passengers a year. This meant integrating across 16 major projects and 147 sub-projects, coordinating thousands of activities in parallel across over 60 contractors. Laing O’Rourke, Terminal 5’s principal contractor, needed a cement supplier to meet their demanding requirements, consistently and reliably, with a high-quality product through an innovative, flexible supply chain.

OUR SOLUTION

Concrete made with Lafarge Tarmac’s Portland cement PCRM has been used in the construction of the new terminal building, aircraft stand areas, tunnels, and walkways – both within and outside the main concourse. Because of its versatility of use in concrete, Portland cement is the most commonly-used construction material in the world.

For continuous supply to this extremely complex construction project, Lafarge Tarmac’s technical and supply chain experts advised on the construction of a dedicated cement supply depot within the Terminal 5 logistics centre at nearby Colnbrook – a vital facility enabling the site to receive 350,000 tonnes of bulk cement.

RESULTS AND BENEFITS

Logistics solutions played a major part in the success of the Terminal 5 project. With road congestion creating major difficulties in the area, Lafarge Tarmac used its proven rail links to supply cement to the specially commissioned Colnbrook depot, saving a total of 3.2 million road miles and ensuring reliable and consistent cement supply of the highest quality.

“Selecting Lafarge Tarmac as the main cement supplier to the Terminal 5 project was an obvious choice... Lafarge Tarmac was able to meet our need for huge quantities of product. In a construction project of this scale, selecting suppliers that can meet our rapidly evolving needs with consistently top-grade product is everything.”

Peter McColm, Laing O’Rourke