



# HEATHROW TERMINAL 5

SUPPLYING THE CONSTRUCTION OF THE  
LARGEST FREE STANDING STRUCTURE  
IN THE UNITED KINGDOM



**Product:** PORTLAND CEMENT PCRM CEM I 52,5N  
**Client:** BAA PLC  
**Main Contractor:** LAING O'ROURKE  
**Location:** HEATHROW TERMINAL 5  
**Completion:** 2011

*“Selecting Tarmac as the main cement supplier to the Terminal 5 project was an obvious choice... 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

***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, co-ordinating 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 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, 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, 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.

For more details contact [customerservice@tarmac.com](mailto:customerservice@tarmac.com)

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