

# Case Study....

## Structural Protection Guaranteed

**PITCHMASTIC PmB**

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HIGHWAYS

RAIL

AIRPORTS

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WATER SUPPLY

BASEMENTS

TUNNELS

CAR PARKS

**Project :** Terminal 5 Landside and Airside  
**Location:** Heathrow Airport, United Kingdom



**Image:**



**Description:**

The construction of the Terminal 5 mega-structure began in 2002 with completion of the first phase expected in 2008. The terminal is expected to carry around 30 million passengers per year and will be a key interchange for people travelling to the Olympic Games in 2012.

Pitchmastic PmB Ltd began works on T5 in 2005 with its first project involving application of the PmB waterproofing system to multi-storey car park entry and exit ramps. As a thin layer surfacing was specified Pitchmastic applied its aggregated tackcoat over the PmB membrane. The aggregated tackcoat system was designed to give enhanced shear adhesion as the pressures exerted onto thinner layer asphalt can be excessive creating a need for improved bonding levels. To provide durable and long lasting structural protection Pitchmastic also installed asphaltic plug joints at the bottom of the MSCP exit ramps.

Following successful completion of landside structures Pitchmastic began installation of the PmB system on airside access roads leading to storage warehouses with critical basement storage below.

Good communication with other contractors and working within strict programme windows was essential as any problems or delays on the terminal construction or on associated structures could have severe reverberations.



Waterproofing



A Division of Pitchmastic PmB Ltd



International

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