

# TAKING THE TUBE TO THE STADIUM



## RENOVATION OF ONE OF THE TUBE STATIONS SERVING WEMBLEY STADIUM

The new Wembley Stadium is served by three London tube stations: Wembley Central, Wembley Stadium and Wembley Park. The latter first opened in 1894 and was then renovated in 1947 ready for the Olympic Games, which were held at the old Wembley Stadium the following year. Recent renovation work on the station was required not only to modernize the existing spaces, enhancing them with other brand new premises, but also because the TFL – Transport for London company - was expecting average passenger flows for football matches and concerts of 37,500 passengers an hour. The average flow in the past was only 22,000 an hour. The station redevelopment project involved modernizing the platforms and waiting rooms, extending the stairways leading to Olympic Way and the ticket office for season ticket holders, upgrading some of the canopies, and the construction of five new lifts, fire escapes and a new ticket office for special events. This latter space, located by the ticket office for season ticket holders, involved the use of various Mapei products recommended by both the project designers and installation company.

**Installing the coverings.** 20x10 cm ceramic tiles were laid on the walls of the new ticket office for special events, while 20x20 cm tiles were chosen for the floors. In both cases the tiles were bonded using KERABOND\* cementitious adhesive mixed with ISOLASTIC\* flexible latex additive instead of a water, in order to meet C2 class standards (improved cementitious adhesive), in accordance with EN 12004, and also S2 class standards (highly deformable adhesive), in accordance with EN 12002. The tile joints were grouted with fast setting and drying ULTRACOLOR\* mortar (this product has now been substituted by ULTRACOLOR PLUS), which does not produce efflorescence as time passes by. The expansion joints were sealed using MAPESIL AC\*.

**\*Mapei Products:** the products referred to in this article belong to the "Products for Ceramic Tiles and Stone Materials" range. The technical data sheets are available from the "Mapei Global Infonet" DVD and the website: [www.mapei.com](http://www.mapei.com).

Mapei adhesives and grouts conform to EN 12004 and EN 13888 standards.

**Isolastic:** flexible latex additive to be mixed with Kerabond, Kerabond T, Kerafloor and Adesilex P10.

**Kerabond (C1, becomes C2 class when Isolastic is added):** cementitious adhesive for ceramic tiles.

**Mapesil AC:** solvent-free, acetic cross-linking mildew-resistant silicone sealant, available in 26 colours and transparent.

**Ultracolor (CG2):** fast setting and drying, high-performance, anti-efflorescence grout for joints of 2-20 mm. N.B.: this product has been substituted by Ultracolor Plus.

### TECHNICAL DATA

**Wembley Park Station,** London Underground (UK)

**Works:** re-tiling of the floors and walls of the ticket office for special events inside the underground station

**Year:** 2006

**Customer:** TFL – Transport for London

**Project:** Pascall & Watson Architects, London

**Installation Company:** Strata Tiles, London

**Mapei Distributor:** Strata Tiles

**Mapei Co-ordinator:** Simon Pashley, Mapei UK