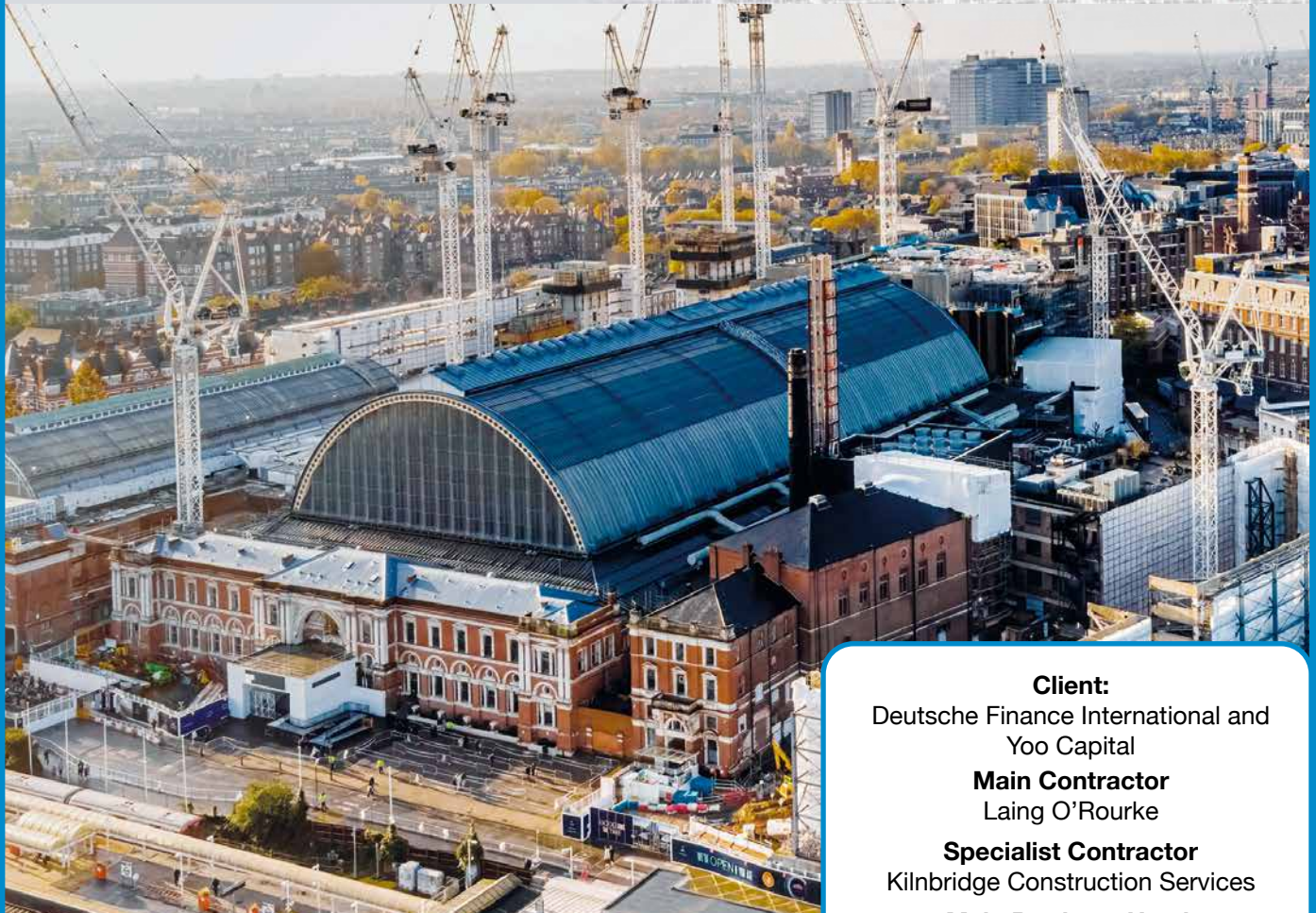




'Watertight by Design'



## Olympia Redevelopment London

# Case Study

The £600 million Olympia redevelopment as Future Olympia, is one of London's most ambitious projects, creating a new destination district with a cultural hub for Arts, Entertainment and Exhibitions. This will provide a wide range of commercial venues and activities, including hotels, restaurants, bars and a live music hall, plus a theatre and performing arts school.

Adamson Associates Architects needed fire resistant, insulating, movement joint sealing solutions to meet key performance parameters. Emshield WFR/DFR, an ETA-certified, CE marked product from NCC-Emseal was selected as the only solution that could meet all these demands.

Emshield WFR/DFR has a minimum 2-hours EI fire integrity & insulation rating to EN1366-4 with a 100% joint movement capability (joint width +/- 50%), whilst being 100% water, air, and smoke-tight. It also has 3-D joint movement capability (including vertical and longitudinal shear as well as joint width expansion/contraction, together with high acoustic insulation with sound attenuation performance.

The installation of Emseal Emshield-DFR/WFR was carried out by the specialist fire protection team at Kilnbridge Construction Services, through several phases of the works.

These unique Emseal systems allow cost effective, secure and reliable, CE-marked, ETA -certified fire resistant, structural expansion joint sealing solutions, that are ideal for sealing both wide and/or high movement capability joints.

**Client:**  
Deutsche Finance International and  
Yoo Capital

**Main Contractor**  
Laing O'Rourke

**Specialist Contractor**  
Kilnbridge Construction Services

**Main Products Used:**  
Emseal Emshield DFR/WFR

**For More Information:**  
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