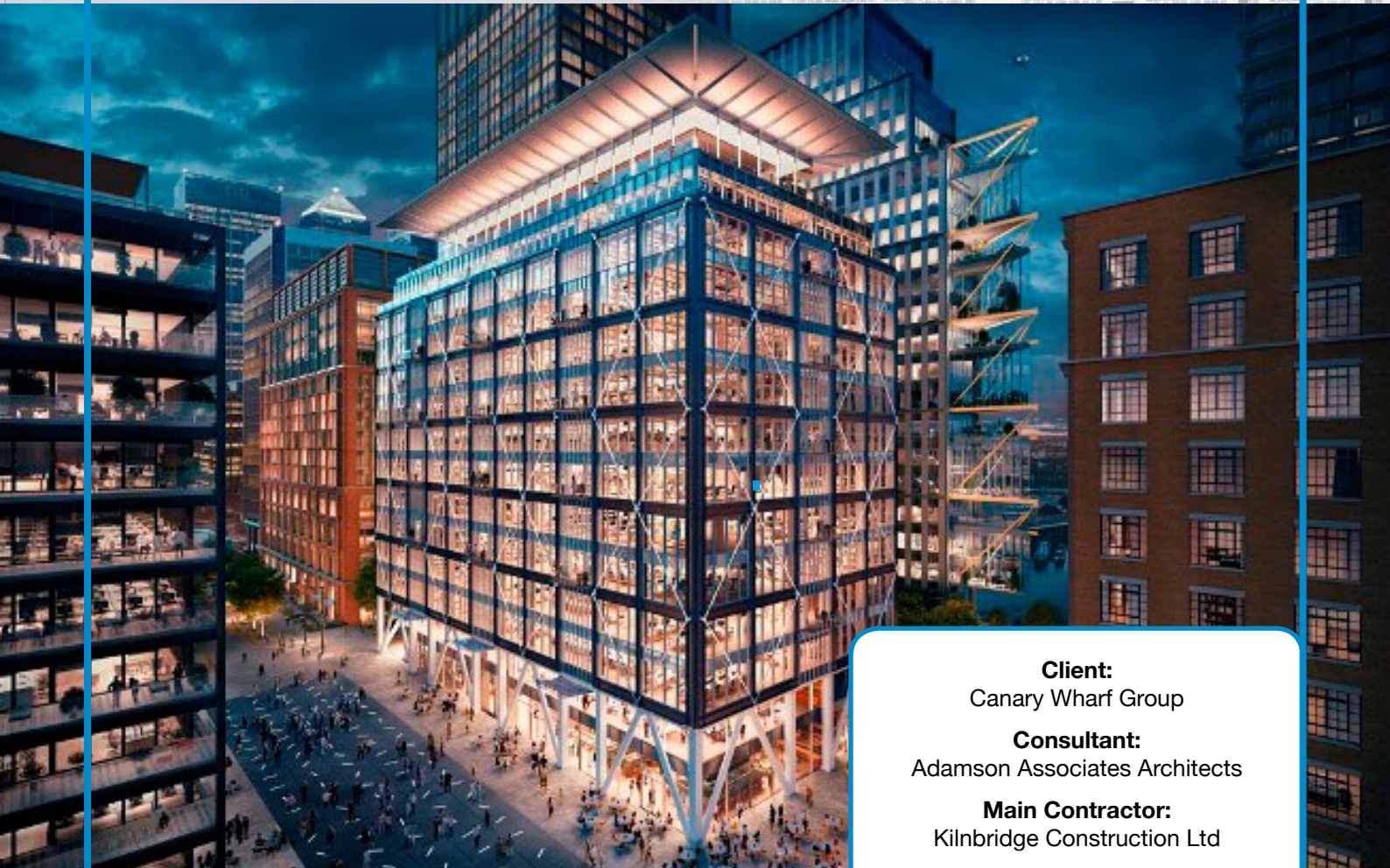




'Watertight by Design'



Wood Wharf Development London

Case Study

Wood Wharf Development is certified as a BREEAM Outstanding rated, sustainable mixed-use development that covers a 23-acre site. It consists of 6 individually designed building structures that provide 2 million square feet of curated workspaces and offices, more than 3,500 new residential homes and 500,000 square feet of retail space. The site is being developed as a new 5G and Wi-Fi-6 enabled, London District to include more than 9 acres of interconnected riverside leisure space with boardwalks, squares, and parks to create an oasis of urban green space.

The new multistorey building structures were designed with 50mm wide structural expansion joints between floor slabs to accommodate the high levels of thermal movement anticipated, as well as the vibrations from traffic and other loadings. These joints also had to minimise any noise transmission through the floors and provide a minimum of 2-hours fire resistance, which is a key reason the consultants selected the Emshield DFR-2 System as it could easily meet all these stringent requirements. In fact the innovative Emshield DFR-2 System can accommodate more than 100% joint movement capability and is CE Marked to EN-1366-4 for up to 4 hrs fire resistance. This unique Emseal solution also has the advantages of not requiring any potentially damaging mechanical fixings into the structure, as it is easily bonded into the joint, with access only required from above.



Client:
Canary Wharf Group

Consultant:
Adamson Associates Architects

Main Contractor:
Kilnbridge Construction Ltd

Main Products Used:
Emseal DFR-2 Systems

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NCC Movement Joint Systems