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CASE STUDY

NORTH LONDON

Mixed-use building on the New River, North London

A combined waterproofing and ground gas design for a new mixed-use building on a contaminated site beside the New River.

LOCATION
North London

SECTOR
Commercial · Residential

CLIENT
Private

BUILDING
Six storeys plus basement: 9 flats and 377 m² commercial

SYSTEM USED
Liquid gas barrier + Type C cavity drain

SERVICES
Ground Gas Protection, Type C Cavity Drain Membranes

THE CHALLENGE

Site investigation found contamination including dibenzo(a,h)anthracene, CO_2, TPH and asbestos, so the pathway between the ground and the building had to be managed.

WHAT WE DID

- As a Delta Membrane Systems and MemTech registered installer, we proposed one specification for waterproofing and gas protection, meeting BS 8102 and BS 8485:2015+A1:2019 and CIRIA C735 verification.
- Phase 1: Koster Polysil TG 500 primer and two coats of MemTech Pro liquid gas barrier, with Flexi Tape at the channels, tested before the drainage went in.
- Phase 2: Type C with BBA-certified Delta MS 20 and MS 500 membranes, Delta Channel drainage and access ports every 10 m.

THE RESULT

The technician verifying the gas membranes was highly impressed with the specification and installation.

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