renlon

CASE STUDY

NORTH LONDON

Basement and pool for a North London family home

A Grade 3 basement under BS 8102, with a swimming pool, external deck and plant room, for a detached period house.



LOCATION
North London

SECTOR
Residential

CLIENT
Valouran

MAIN CONTRACTOR
Antvic

ARCHITECT
Moreno Masey

SIZE
Nearly 1,000 sq ft with a swimming pool

SYSTEM USED
Type C, Type A polyurea, RenStrength™, dual pumping

SERVICES
Basement & Structural Waterproofing, Type C Cavity Drain Membranes, Type A Barrier Protection (Tanking), Carbon Fibre Strengthening

THE CHALLENGE

The new basement extension needed a Grade 3 internal environment under BS 8102 and included a swimming pool at lower ground level.

Parts of the basement extended beyond the ground-floor footprint, so the external deck needed waterproofing too, and the depth meant groundwater management had to be planned from the outset.

WHAT WE DID

- Type C internal cavity membrane: Delta MS500 to the walls, including the pool area, and Delta MS20 to the floors with perimeter channels, both over Koster Anti Lime TG500.
- Type A hand-applied cold-liquid polyurea to the rear external deck.
- Type A RenStrength™ to the front plant room soffit: waterproofing and carbon fibre strengthening in one slim application.
- Two dual-pumping systems: a bespoke 800 × 1200 mm chamber at the front and a 2 m deep loose box system at the rear.
- Antvic provided the primary Type B waterproof concrete structure.

THE RESULT

One integrated design covering the basement, pool, rear deck and front plant room soffit, tailored to the layout, use and groundwater conditions.

020 8687 4000 · survey@renlon.com
Renlon Ltd, Unit 12, Boundary Business Court,
Church Road, Mitcham CR4 3TD