

CASE STUDY: BUILDING MATERIALS

VOLTEx INSTRUMENTAL IN BASEMENT ACHIEVING BS8102 : 1990 GRADE 4

PROJECT: Access Self-Storage

LOCATION: Merton Road, Wandsworth, London SW18

PRODUCTS: Voltex, Voldrain ICD 8 & 20, Waterstop RX101
Vorseal 250, Vorseal 500

BACKGROUND: A three level basement designed to achieve Grade 4 - Totally Dry Environment, according to BS8102:1990. Project value £10.9m

CHALLENGE: To offer a complete waterproofing design solution to our client, the main contractor, for the encapsulation of the basement structure from pile caps at lower level, 14m below ground, to podium decks at ground level.

It was necessary to develop a fast track solution to waterproof the exposed face of the contiguous piled wall using top down construction methods. On completion of the project, a comprehensive Waterproofing System Warranty was required.

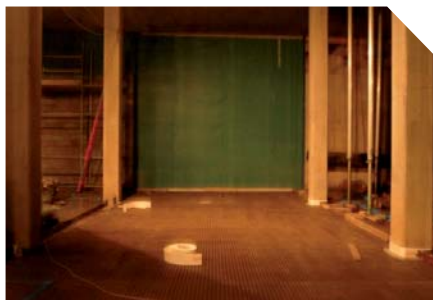
SOLUTION: Following pre-contract meetings with the project team, CETCO provided a package of bespoke waterproofing details and specifications, enabling the main contractor to construct and waterproof the basement within the tight programme, and at a competitive rate.

The principle method of waterproofing the basement was with CETCO's versatile Voltex membrane. This membrane was utilised below the concrete pile caps and suspended slabs, and applied directly to the face of the contiguous piling, prior to being contained by an in situ concrete liner wall.

On completion of the sub-structure, CETCO's Voldrain ICD was applied to the top of the basement slab and inside face of the walls, and Vorseal 500, a fast-cure Polyurea spray-applied membrane, was applied to the podium decked car park areas.

RESULT: A comprehensive, dual protection, below ground structure, completed on schedule, with a full CETCO System Warranty supplied to the client, O'Keefe Construction.

For a free consultation for your next project, call a CETCO Waterproofing expert at +44 (0)151 606 5900.



A prime example of CETCO offering the complete waterproofing package from basement slab to walls and podium decks

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