

Aberfeldy Village Phase 3

BS 8102- Type A & B, Grade 3 Watertight Concrete Solution



Our reference in London (United Kingdom): Aberfeldy Village Phase 3

The background

Designed to bring contemporary living with onsite amenities. Providing a collection of studio, one and two-bedroom apartments surrounded by tree-lined parkland only seven minutes from Canary Wharf.

Aberfeldy Village is a thriving community that has been created to offer a distinctly better way of living. From its 24-hour Concierge, Residents' Lounge and on-site Gym to its Retail Hub, Medical Centre and the tree-lined

The challenge

The area in which the development is situated is classed as a flood plain and considered a flood risk. Therefore, the areas of the piling and ground floor slab needed to be designed in accordance with BS 8102 to Grade 3 specification in order to comply and qualify for an NHBC warranty.

Project:

Aberfeldy Village Phase 3

Location:

London

Main contractor:

Henry Construction

Concrete producer:

Express Concrete

Market sector:

Watertight Concrete

Products used:

MasterLife WP 799

MasterLife WP 754

MasterLife WP 910 & 912

MasterLife WP 590

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Our solution

These challenges were overcome by combining both the Master Builders Solutions Type A and type B systems, which together, creates two forms of watertight protection and provides a Grade 3 specification.

MasterLife WP 754 membrane provided a barrier system along with our MasterLife WP 799 being added to the structural reinforced concrete to provide the second layer of waterproofing protection.

At all construction joints (the weak point of any structure) the use of our MasterLife WP 910/912 hydroswelling waterbar and mastic system was used to create a watertight seal.

The customers benefit

- A one stop shop and single point of liability from Master Builders Solutions
- BBA approved system with a 15-year warranty
- A full BS 8102: 2009 Grade 3 specification installed to comply and qualify for a NHBC warranty.
- Master Builders Solutions provided support on site throughout the project.

Project facts at a glance

- Residential facility concrete slab completed with Master Builders Solutions BS:8102 Type A & B watertight concrete solution.
- MasterLife WP 799 – Water resisting admixture for concrete
- MasterLife WP 754 – Pre applied FPO waterproofing membrane
- MasterLife WP 910 & 912 System – Hydroswelling waterbar and mastic (adhesive) for construction joints
- BBA approved system
- 15-year warranty

