

# Northway House - Redrow Homes

**BS 8102 Type A & B watertight concrete solution for new basement carpark**



Our reference in Barnet (United Kingdom): Northway House - Redrow Homes

## The background

A once tired-looking 1970s office block has undergone a magnificent transformation, a modern refurbishment and the addition of a new block, to create Northway House.

When renovating this local landmark architects considered every detail to enhance the original building's character, from the clean lines and textures used to the continuous glazing for stunning, uninterrupted views.

With its landscaped gardens including a 167 space basement car park, the properties provide residents with both a unique and convenient living experience.

## The challenge

Refurbishment and Re development of a 1970s office building to be converted into 145 dwellings to include a 167 space basement car park. The main challenge on this project was completely waterproofing the sub grade basement carpark.

### Project:

Northway House - Redrow Homes

### Location:

Barnet

### Main contractor:

Modebest

### Concrete producer:

London Concrete

### Market sector:

Watertight Concrete

### Products used:

MasterLife WP 799

MasterLife WP 910

MasterLife WP 900 &

MasterRoc MP 307 System

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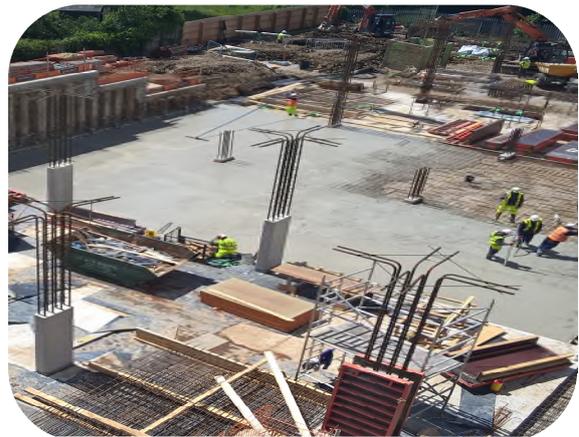
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## BS 8102 Type A & B watertight concrete solution for new basement carpark



### Our solution

The Master Builders Solutions Watertight System offered an alternative to membranes and built-up treatments: a quicker, more cost-effective and more reliable solution than traditional construction methods.

The concrete mix contained MasterLife WP 799 which is an all-in-one hydrophilic pore blocker with an integral superplasticizing admixture. Following the concrete's correct placing, compaction and curing, this single-bag system provides a waterproof structure with minimum effect on the original appearance and texture.

The MasterLife WP 900 system injected with our MasterRoc MP 307 was used to give the option of maintainability of the structure.

The MasterLife WP 900 is a re-injectable hose which can be re-visited at any time in the lifetime of the structure if further resin injection is needed following substantial ground movement. MasterLife WP 900 is a more robust system used in deep basements and areas with a high water table, used in conjunction with concrete containing our MasterLife WP799 admixture provides a Grade 2 environment.

### The customers benefit

- MasterLife WP 799 high performance integral waterproofing system was used in the concrete mix for the concrete slab and partial 'canal side' retaining wall.
- All products were supplied by Master Builders Solutions providing a single source system approach with single point liability.
- BBA Approved System

### Project facts at a glance

- Fully watertight Type A&C solution.
- Single-bag system.
- Minimum effect on structure's original appearance
- Re-injectable waterstop system