

# Beverley Arms Hotel Extension

## Watertight construction solution for extension of basement



Our reference in Hull (United Kingdom): Beverley Arms Hotel Extension

### The background

The Beverley Arms Hotel is an historic coach house dating back to the late 1700s located close to the market square of this popular medieval market town close to the Yorkshire Wolds.

The Hotel was extended and refurbished to increase its size to 36 bedrooms. As part of the extension, there was also a need to extend the existing basement/cellar area.

### The challenge

Continuous bored piles had been specified, which were intended to be covered with a sheet waterproofing membrane prior to the casting of in-situ retaining walls of the basement extension.

Due to lack of space on site to enable membrane installation, in conjunction with an estimated two weeks membrane application period an alternative method of waterproofing the basement was considered.

### Project:

Beverley Arms Hotel Extension

### Location:

Hull

### Main contractor:

Philip M Lally Limited

### Concrete producer:

Edgar Ready Mixed Concrete

### Market sector:

Watertight Concrete

### Products used:

MasterLife WP 799

MasterLife WP 910 & 912

### Contact:

Andrew Barlow

Phone: +44 (0) 161 727 6300

[andrew.barlow@masterbuilders.com](mailto:andrew.barlow@masterbuilders.com)

[www.master-builders-solutions.com](http://www.master-builders-solutions.com)



# Beverley Arms Hotel Extension

## Watertight construction solution for extension of basement



### Our solution

Philip M Lally Limited made enquiries with concrete supplier Edgar Ready Mixed Concrete Limited as to what type of waterproofing concrete they could suggest which would have a Warranty and BBA Certification.

Master Builders Solutions were approached by Edgar to engage with Philip M Lally to explain the Master Builders Solutions Watertight Concrete system using MasterLife WP 799, MasterLife WP 910 & 912 system.

Concrete containing MasterLife WP 799 was supplied and poured directly between a facing wall shutter from basement floor level to ground level and directly up against the excavated bored piles.

### The customers benefit

- Overall construction time reduced by 2-3 weeks.
- Associated costs reduced.
- No requirement for specialist waterproofing membrane sub-contractor.
- Fully 10-year warranty provided.

### Project facts at a glance

- Requirement for a watertight reinforced concrete basement as part of the overall extension
- The original specification was for a sheet waterproofing membrane to be installed between new basement retaining walls and the face of the excavated bored piles.
- The alternative was Master Builders Solutions Watertight Concrete system incorporating MasterLife WP 799 integral waterproofing system and MasterLife WP 910 & 912 hydroswelling waterbar/mastic.
- This Watertight Concrete Solution delivered the same end product at a lower cost and a reduced construction times of approximately 2 weeks.

