

BASEMENT WATERPROOFING CASE STUDY The Florence Institute, Liverpool

LISTED BUILDING BASEMENT WATERPROOFING

Newton System 500 used to waterproof to this striking Grade II Listed Building*

Project Details

Constructed in 1889 the “*Florrie*” as it is known by many locally, was a purpose built boys’ Youth Club. The building closed in 1988 and fell into disrepair, the roof was then badly damaged by a major fire in 1999. A local community pressure group campaigned for the restoration of the Florrie and with granting of Grade II* Listed Building status, a £6.4 million restoration began in 2010.

Part of the ambitious restoration plans included for the utilisation of the damp basement for managed workspace units, offices, storage and WCs.

Newton Specialist Basement Contractor Protectahome were commissioned to design and install a guaranteed waterproofing solution.

Methodology

Protectahome designed and installed a Type C Drained Protection Waterproofing System incorporating BBA certificated products from John Newton & Company. The walls were treated using a combination of **Newton 508** and **Newton 508 Mesh Cavity Drain Membranes**.

A fully serviceable **Newton Basedrain** perimeter drainage channel was installed, discharging to a combination of passive and powered disposal points. **Newton 601 flooring membrane** was used to seal the floors prior to finishes being applied.

In total the basement waterproofing system incorporates 1,200 square metres of Newton waterproof membranes and 200 linear metres of **Newton Basedrain**.

Benefits

- **Newton System 500** is ideal for listed buildings as the system is deemed ‘reversible’
- No messy and costly substrate preparation works
- NSBC Protectahome provided a long term guarantee and design liability, covered by their own PI insurance
- **Newton System 500** is a maintainable system so complies with BS8102:2009 regulations

The Florrie will be officially reopened in July 2012 by the Bishop of Liverpool James Jones and comedian Jimmy Tarbuck OBE.

NSBC Contractor: Protectahome Ltd



The Florence Institute or ‘Florrie’ as it is known locally. A local pressure group campaigned for restoration



BBA approved cavity drain membrane Newton 508 Mesh was applied to the internal walls



Newton 601 Flooring Membrane was used to seal the floors before finishes were applied



The Florrie, now fully waterproofed, will be officially reopened in July 2012