



Waterproofing a Basement Cinema

Baring Crescent, Exeter

The Project

This substantial detached period house in Exeter was undergoing major renovations to improve the property when the clients called in Newton Specialist Basement Contractor [Timberwise](#) to provide a waterproofing solution for the extensive basement, which was to be converted into a home cinema and living area.

The Solution

With a remit to waterproof the existing basement area and stairway void in order to protect the timber staircase from water and damp, Timberwise deemed that the most appropriate and effective form of waterproofing would be Newton's [CDM System](#).

After installing an internal brick partition wall to ensure continuity of the waterproofing, Timberwise installed [Newton 508](#) cavity drainage membrane throughout the internal space. Beneath the floor membrane, [Newton Fibrin XPS 500-C](#) insulation was used to create a drained space for the [Newton Basedrain](#) drainage system, which in turn directs captured water to the [Newton Titan-2](#) chamber and [CP250 pumps](#).

Unlike the process of cutting recesses into the floor slab for the drainage channels, using Fibrin XPS 500-C saves both time and money on site with the easy-to-install insulation boards creating a drainage void without compromising on effectiveness or compressive strength.

The Result

Timberwise provided the client with a completely dry and habitable basement space, perfect for conversion into the home cinema of their dreams. As well as being fully compliant with BS 8102:2009, the client was provided with further peace of mind thanks to Timberwise's 10-year guarantee, and Newton's 30-year product warranty.



The property had a large partially retained basement.



Partition wall to ensure continuity of waterproofing.



"When dealing with a domestic homeowner such as this, it is important to provide them with a complete end-to-end waterproofing solution to make things as easy as possible.

The Newton Waterproofing product range is perfectly suited, making the installation nice and straightforward, and this is backed up a level of technical support and guidance that is second-to-none in the industry."

Robert Owen, Timberwise
Newton Specialist Basement Contractor

The Products

CDM SYSTEM

The professionals' waterproofing system of choice, this internal and fully maintainable system is ideal for new build or refurbished basements, utilising floor and wall membranes, fixing plugs, sealing tapes, drainage channels, insulation boards, and sump and pump chambers.

508

A high quality 8mm cavity drain waterproofing membrane used as part of the Newton CDM System for below ground waterproofing.

FIBRAN XPS 500-C

Designed for use as part of the Newton CDM System, this 50mm deep, closed-cell XPS insulation board acts as a spacer for Newton Basedrain and Floordrain, also providing insulation and compressive properties.

TITAN-2

Compact pumping system incorporating an octagonal sump chamber that can still accommodate dual pumps, but which is ideal for smaller locations that are too tight for larger chambers.

CP250 PUMPS

High quality clean water pump ideally suited for removing groundwater from basements, available in both manual and automatic versions, and as a key component in Newton's packaged pumping systems.

HIGH WATER LEVEL ALARM

Designed to detect high water levels within sump chambers, the battery-powered device is included with the Newton Titan-2 pumping system.



Drainage membranes to the floor and all internal walls.



Installation of timber framed walls and insulation.



The completed omfortable and luxurious home cinema.

Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.



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