



New-Build Basement, Wentworth Basement Waterproofing

The Project

This large new-build property in Surrey had a very large basement area which needed to be waterproofed to meet BS 8102:2009 requirements, the British Standard for the Protection of Structures Against Water From the Ground.

As it is not possible to determine the amount of potential water pressure surrounding a structure, BS 8102:2009 tells the designer to expect a head of water against the structure. In addition, BS 8102 requires that all waterproofing is maintainable and repairable.

The Solution

Newton Specialist Basement Contractor [MacLennanUK](#) were commissioned to design and install a Cavity Drain Waterproofing System. [Newton System 500](#) was deemed the best range of products for the project as it provides a maintainable waterproofing solution - and thus meets the requirements of BS 8102.

[Newton 508 Cavity Drain Membrane](#) was applied to all internal walls, and ingressing water was collected into the [Basedrain](#) channels throughout the perimeters of the wall/floor junction and pumped out to safe drainage using the Newton [Titan Pro](#) pumping system.

The Result

As a result of the easily installed Newton CDM System, the property is completed protected against water ingress. For complete peace of mind, the system is guaranteed by MacLennanUK for a full 20 years provided it is inspected and serviced annually.



Early stages of basement construction.



Newton 508 membrane applied to the walls.



"MacLennan worked with Ali Galvin Homes to come up with a risk free waterproofing strategy, to waterproof the very impressive and luxurious property that they were constructing."

Newton System 500 is the best system available to waterproofing professionals and was ideal for this project."

Ian MacLennan, Director
MacLennanUK

The Products

CDM SYSTEM

The most reliable waterproofing solution for any habitable space below ground, the Newton CDM System combines our decades of waterproofing experience with the highest quality products.

This includes BBA certified cavity drain membranes from [Newton System 500](#), bespoke sump and pump configurations, backup systems, telemetry and ancillary options, depending on the nature of the project and the client's requirements.

508

One of Newton's BBA certified, high quality cavity drain membranes that can be used to form part of the CDM System

Also the only cavity drain membrane in the UK with BBA approval that is also manufactured from 100% recycled HDPE.

SYSTEM 500 ANCILLARIES

A selection of specialist ancillary products that are critically important for the correct installation of the Newton CDM System, including plugs, tapes and seals.

BASEDRAIN

A range of products that collectively receive and drain water from the cavity drain membranes and direct it to the point of discharge.

PUMPS AND SUMPS

An extensive range of submersible pumps and pumping ancillaries for the control of clean ground water, grey water, effluent or sewage in basements.



Newton System 500 being used on the basement walls.



The finished property will be a large & luxurious manor house.



An artists impression of the magnificent completed project.

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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