

CASE STUDY

New-Build Basement, Wentworth

BASEMENT WATERPROOFING

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Waterproofing a prestigious new-build basement with Newton System 500

Design by Ascot Design

Client: Aligalvin Homes Ltd

Project Details

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

Methodology

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.

Benefits

- Newton System 500 is easily and quickly repaired and maintained.
- The complete system is guaranteed for a full 20 years by MaclennanUK. If the system is inspected and serviced annually the guarantee can be extended every 10 years for a further 10 year period.
- The system is very fast to install and there is no drying period

Result

The property is completely protected against water ingress.

"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 - MaclennanUK

NSBC Contractor: MaclennanUK



This stunning new property in Wentworth, Surrey had a large basement which needed waterproofing



Early stage of the construction of the basement underway



Newton 508 cavity drain membrane being applied to the walls

Featured Products

NEWTON SYSTEM 500

Maintainable Cavity Drain System Comprising Waterproof Membranes, Drainage, and Pumps

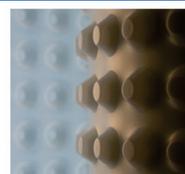
The professional's "waterproofing system of choice", Newton System 500 is an internally applied waterproofing system based upon Newton's extensive range of cavity drain membranes, drainage conduits and sophisticated pumping and control systems. It is a maintainable system, so complies with BS 8102:2009 Code of Practice for Protection of Structures Against Water from the Ground.

Newton recommends that our structural waterproofing systems are installed by one of our Nationwide Network of Newton Specialist Basement Contractors (NSBC)

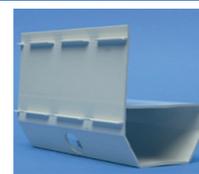
NSBCs have been trained by Newton and can offer full professional indemnity on design and insured backed guarantees on the installation.



Newton System 500



Waterproof Membranes



Drainage



Pumping System



Water Pumps

Cavity Drain Waterproofing