



## Pickenham Hall, Norfolk Basement Waterproofing

### The Project

Newton Specialist Basement Contractor [AP Gooch](#) were commissioned to design and install a waterproofing solution for a large extension to this Grade 2 Mansion in Norfolk. The project size was 3,000 square foot, and the client was [Kier Construction](#).

### The Solution

AP Gooch installed the [Newton System 500](#) waterproofing solution to manage and remove any ingressing water. Newton 508 8mm Cavity Drain Membrane was installed to the walls and floors of this large basement.

Newton System 500 is a fully maintainable waterproofing solution so complies with [BS 8102:2009](#) requirements (*the British Standard Code of Practice for Protection of Below Ground Structures Against Water from the Ground*).

The floor build up was 50mm of closed cell insulation on a structural slab with [Newton 508](#) on top of the insulation with a 65mm screed to finish. Newton Basedrain was installed around the wall/floor junction and across day work joints. [Basedrain](#) collects any ingressing water and diverts it out of the structure via Newton Sump Pumps. As such, AP Gooch incorporated two [Titan-Pro](#) Chambers into the design, including twin [NP400 pumps](#).

### The Result

The waterproofing works installed by AP Gooch created a habitable Grade 3 environment, as defined by BS 8102:2009. AP Gooch delivered the result well within tight time constraints and the client was very happy with the results.



Pickenham Hall is a Grade 2 Listed Building.



Newton 508 installed to the new extension walls.



"Kier Construction were extremely happy with our performance completing the works two weeks ahead of schedule in this 3,000 square foot basement."

Anthony Gooch , A.P. Gooch Basement Waterproofing

## The Products

### CDM SYSTEM

The most reliable waterproofing solution for any space below ground, the Newton CDM System combines decades of experience with the highest quality, BBA certified membranes from Newton System 500, bespoke sump and pump configurations, back-up systems, telemetry and ancillaries.

### 508

BBA certified, high quality cavity drain membranes as part of the CDM System, manufactured from 100% recycled HDPE.

### MULTIPLUGS & 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 receive and drain water from the cavity drain membranes and direct it to the point of discharge.

### NP400 PUMPS

A high performance pump available in either manual or automatic versions to remove clean water from the Newton CDM System.



Newton 503 cavity drain membrane.



65mm of screed applied as a finish to the floor.



The 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.



[www.newtonwaterproofing.co.uk](http://www.newtonwaterproofing.co.uk)



[tech@newtonwaterproofing.co.uk](mailto:tech@newtonwaterproofing.co.uk)



+44 (0)1732 360 095