



Folkestone Museum, Kent

Basement Waterproofing at the Grade II Listed Old Town Hall

The Project

The large, Grade II Listed Old Town Hall in Folkestone received generous donations from the Heritage Lottery Fund to fund the [Folkestone HEART](#) (Heritage, Education, Art, Regeneration and Tourism) project to create a new museum and cultural hub in the building's old basement.

With their local expertise and experience in installing waterproofing to listed properties, Newton Specialist Contractor [Anglian Tectonics](#) worked closely with project architects [Godden Allen Lawn](#) and main contractor [Coombs](#) to design a waterproofing solution for this valuable project.

The Solution

Considering the valuable artefacts and antiquities that were going to be housed in the new museum, it was crucial that the waterproofing system provided a completely dry basement area, classified as 'Grade 3' by the British Standard for Waterproofing, BS 8102:2009. Anglian Tectonics therefore designed a full [Newton CDM System](#) for the basement area.

In a Grade II Listed building such as this, the CDM System is also ideal as it is sympathetic to the existing structure, and if necessary it can be removed in future without damaging the basement walls.

Anglian installed over 600m² of [Newton 508](#) membrane, which captures and directs ingressing water into a perimeter system of [Basedrain](#) drainage channels, that in turn connect to safe internal drainage at both basement and sub-basement level to ensure safe removal of the water.

The Result

By installing an effective and guaranteed waterproofing system that is also sympathetic to the Grade II Listed building, Anglian Tectonics have helped to create this new space of inspiration, displaying the towns heritage and art collections for all to enjoy whilst ensuring that the artefacts are properly conserved and cared for in perpetuity.



The Old Town Hall in Folkestone town centre



Newton 508 with a new internal timber frame



"Effective and durable waterproofing was a critical part of the refurbishment to create the new Folkestone Museum. The waterproofing was challenging as the building is Grade 2 listed so it had to minimize disturbance to the historic fabric.

Godden Allen Lawn have worked with Anglian Tectonics before, so we approached them to develop the detailed specification for the waterproofing system. We also subsequently named them as the preferred sub-contractor for the installation of Newton's Products.

Gary and his team were efficient, helpful and professional throughout the design and installation, and we would highly recommend both them and the Newton waterproofing system."

Nick Lawn, Partner
Godden Allen Lawn



The brand new museum opened to the public in 2017

The Products

CDM SYSTEM

A combination of Newton's decades of basement waterproofing experience and the highest quality BBA certified cavity drain membranes from [Newton System 500](#).

Coupled with the bespoke sump and pump configurations, backup systems, telemetry and ancillary options, the Newton CDM System is the most reliable and maintainable waterproofing solution for any habitable space below ground.

508 MEMBRANE

A BBA certified, high quality cavity drain membrane that is the most commonly used membrane as part of the Newton CDM System.

Newton 508 is guaranteed against deterioration for 30 years, with a life expectancy of at least 50 years, whilst the in Listed building applications it can be applied to the walls with low numbers of fixings, therefore causing minimal damage to the substrate and ensuring the system can potentially be reversed in future.

BASEDRAIN

The drainage solution for use with the Newton CDM System, consisting of a range of products that collectively receive water ingressing at weaknesses in the structure, then discharge the collected water to a Newton Sump System or safe drainage.

The 18mm holes drilled in both sides of the profile, as well as to the top surface, allows water to enter the drainage channels more easily.



The museum began as a private collection in the 19th Century

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.



The new space provides an interactive tour of Folkestone's history

