

Royal Courts of Justice, London

Waterproofing a Prestigious Grade I Listed Building

The Project

Newton Specialist Basement Contractor [Stonehouse Basements](#) were commissioned to waterproof another significant area of the prestigious Royal Courts of Justice to a Grade 3 habitable space. This project followed the success of the vaulted bird beak Victorian arches previously waterproofed by Stonehouse.

The programme continued the structural waterproofing into the Judges' Robe Rooms.

The Solution

Stonehouse installed the [Newton 508 Mesh membrane](#) to the intricate vaulted areas. This required great detailing and expertise. The membrane need to carefully lapped and sealed and it was installed with a combination of NuSeal plugs with WaterSeal rope (vault spring and above) and Newton MultiPlugs on the vertical plane.

[Newton 508](#) cavity drain membrane system is a Type C water management system. The installation ensures that any water ingressing the vaults will be diverted down to the [Newton Basedrain](#) for safe removal away from the property. Stonehouse applied a direct plaster onto the membrane as a high spec finish.

The Result

The waterproofing works installed by Stonehouse created a habitable Grade 3 environment making the structure fit for its intended purpose. The installation conformed with Listed Building requirements of designing a system that is "reversible" and one that followed the detailed and intricate contours of the structure thus retaining its unique design characteristics.

This second phase of the development - much like the first - was extremely well received by the client and offered peace of mind by having a full design install and guarantee under one contract.



Newton 508 Mesh being expertly installed.



Completed installation of Newton 508.



"We were delighted to be involved again in the next phase of this development, following the success of the first phase a few years ago.

Newton System 500 is very suitable for listed buildings and meets the stringent requirements for waterproofing structures of this stature."

Graham Stone, Stonehouse Basements

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.



Completion of waterproofing work in the Judges' Robe Rooms.



The building is a prestigious Grade I Listed Building.



The building was waterproofed to a Grade 3 habitable space.

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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