

CASE STUDY

STRUCTURAL WATERPROOFING

Waterproofing the Royal Courts of Justice

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Newton System 500 Waterproofing Installed In The Royal Courts of Justice Grade I Listed Structure (Phase II)

Project Details

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.

Methodology

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.

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.

"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 (Newton Specialist Basement Contractor)**



The Royal Courts of Justice, a prestigious Grade I Listed Building



Newton 508 Mesh being expertly installed to the vaulted areas by Stonehouse Basements



Newton 508 Mesh installation complete, ready to receive direct plaster finish



Structural waterproofing work completed. The Judges' Robe Rooms are ready for business

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Waterproofing the Royal Courts of Justice

Protecting buildings since 1848

Featured Products

NEWTON SYSTEM 500

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

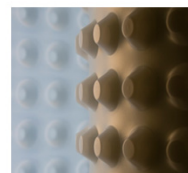
The professional's "waterproofing system of choice", Newton System 500 is an internally applied waterproofing system based upon Newton's extensive range of cavity drain membranes, drainage conduits and sophisticated pumping and control systems. It is a maintainable system, so complies with BS8102 Code 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)

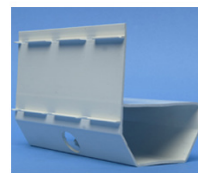
NSBCs have been trained by Newton and can offer full professional indemnity on design and insured backed guarantees on the installation.



Newton System 500



Waterproof
Membranes



Drainage



Pumping System



Water Pumps

Cavity Drain Waterproofing