

High Flood Risk Village, Oxfordshire

Robust Flood Protection for Five Properties in South Hinksey

The Project

South Hinksey suffers from high flood risk and recently has had severe flooding problems affecting the majority of the properties. Previously, in 2007, a major flood engulfed the village with devastating results.

Phil Hewitt Associates designed a flood protection system and Newton Specialist Basement Contractor [Stonehouse](#) were commissioned to design and install [Newton System 500](#) robust flood management system. The system was installed in five individual properties where the clients were extremely worried about future flooding and needed a system that would work in conjunction with flood defence systems to keep their properties dry.

The Solution

The properties to be treated varied in their substrates, including a combination of Cotswolds Stone and 9 inch brick work. Stonehouse tailored the flood management system to each particular property's needs. In all circumstances the Newton System 500 cavity drain membrane system was installed with sump and pumps to manage any ingress of water through the building fabric and through the floor to the sump and pump systems so problem water could be evacuated in the event of ingress.

The Result

With the major flood in Oxfordshire in November 2012 these systems were tested to the extreme, with 500 to 800mm of water engulfing the village completely. The Newton System 500 Flood Management System protected all the properties it was installed in with parties all around being flooded and in some cases evacuated from their homes.



Past flooding in South Hinksey village.



Five properties were protected from flooding.



"Newton System 500 was installed in my house by NSBC Stonehouse Basements. The system has protected my property from severe flooding and has kept it dry whilst others around it suffered from bad flood damage. I would recommend it to anyone else who lives in a flood risk zone."

Richard Buckett, Homeowner

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.



Major flooding in 2012 saw up to 800mm of water engulf South Hinksey.



Newton System 500 was applied internally to protect from flood ingress.



Previous flooding in South Hinksey.

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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