

Case Study

5th November 2009

John Newton Membranes Waterproofs Georgian Manor House

The waterproofing specialist refurbished the property's extensive basement to create a separate new living area, fulfilling all listed building requirements.



This Georgian property is situated in one of most sought after locations of Royal Tunbridge Wells. The client converted this extensive 15 room basement into a luxury stand alone property; converting the space from a damp storage area into a Grade III habitable apartment. The main contractors Brambilla Ltd were awarded the contract and contacted John Newton Membranes Specialist Basement Contractor, Advanced Preservations to carry out the design and installation of the Newton System 500.



Newton System 500 was installed onto all external and internal areas of the property. The Newton 508 was curtain hung to the walls with Newton Multiplug. In the confined spaces of the basement Newton 503 was installed. Once the new concrete slab has been installed and levelled, Newton Basedrain was placed on top of the slab level around the retaining walls. 50mm of closed cell insulation was installed abutting the drainage channel.

From here, the Newton 508 membrane was placed on top of the insulation and sealed to the up stand of the Basedrain. Within this project, head height was a concern to the client, so a specialised pumped polymer-based screed was introduced. This product was pumped on top of the under floor heating system which was installed over the floor membrane. The client was then able to introduce a 40mm screed instead of the standard 65mm sand and cement screed finish. Two Newton Titan pumping systems are in use alongside the Basedrain with battery back-up support.

Minimal surface preparation was required and the client has a clean, effective solution that allows the contractor to fulfil Listed Building requirements as well as sound and insulation regulations.

This stunning property has a serviceable and effective water management solution. Extendible access ports were installed into the perimeter channel to give the installer the ability to service the system at a later date. The engineered screed applied saved 25mm in over head height and construction could continue 24 hours after the screed was poured.

For further information, visit www.newton-membranes.co.uk.

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