



Case Study

SEPTEMBER 2011

Triton supplied:

Watertight Concrete System (TT Super Admix)
Platon Multi and P20 Cavity Drain Membranes
TT Vapour Membrane



Installing a discharge pipe from the basement upper level to the Aquachannel drainage conduit at lower level.

A COMBINED SYSTEM FOR MULTI-LEVEL HIGH SPEC BASEMENT

Sourcing all the elements of a combined waterproofing system from one expert supplier is convenient, saves time and, most importantly, avoids any potential split responsibility issues. This was the approach taken by specialist basement contractors, MGA, in the construction of a very high specification new build London property comprising a multi level basement with swimming pool and gym. All waterproofing system components were supplied by Triton Systems whose team also oversaw their installation.



Installation of rodding eye extension to Aquachannel which will eventually protrude through block work for maintenance access purposes (close to sump pit which will house Aquapump Pro pump).

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Because of the 'variable' water table classification and the very high value of the property, a combination of three types of waterproofing system was specified.

The complete below ground concrete structure, including the swimming pool, was formed using a watertight concrete system incorporating Triton Super Admix (BS 8102 2009 type B structurally integrated waterproofing).

As a primary method of waterproofing the structure, Triton TT Vapour Membrane (BS 8102 type A barrier waterproofing) was applied to the underside of the ground soffit. TT Vapour Membrane is a liquid applied, single component acrylic modified coating.

Platon cavity drain membranes provided the secondary waterproofing system (BS 8102 2009 type C cavity drained) and were installed to all walls and the floors of the lower level, draining to the Triton Aquachannel drainage conduit and pump system.

Triton approved contractor: www.mgacontracts.co.uk



The complete below ground structure including the swimming pool was constructed using Triton's watertight concrete system.



Triton TT Vapour Membrane was applied to the underside of the ground soffit and lapped 300mm down and behind the Platon cavity drain membrane to prevent and guide water migrating through the ground slab behind the wall membrane.

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