



Case Study

Triton supplied:

Platon P5 Membrane, Platon P20 Membrane, Aqua Pump Sump and 2 x mains powered Aqua Pumps, Triton Concrete Hardener & Sealer



MORE LIVING SPACE BELOW GROUND

Dampco doubled the size of an existing cellar to provide extra living accommodation in a Victorian end of terrace home. The ceiling height was increased from 1.8 to 2.3 M throughout the new space and new lightwells were constructed to the front and back of the house.



The old brick stairway was removed and the existing floor lowered to increase the ceiling height to 2.3 M. New glass balustrades helped connect the basement with the rest of the house.

The new area was waterproofed using waterproofing products from Triton including Platon cavity drain membranes and a Triton Aqua Pump drainage system. Platon P5 membrane was installed to the cellar walls. It's an economical HDPE membrane which is impermeable to water, gas and water vapour and, because minimal preparation is required to the substrate, provides a fast alternative to cementitious basement tanking.

The new floor slab was sealed using Triton's Concrete Hardener & Sealer which seals and dust proofs the surface and also prevents free lime from the new concrete leaching into the drainage system. New internal walls were constructed to provide a bedsitting room, shower and dressing room.

Gullies were created in the surface of the slab to direct any water ingress to a new Aqua Pump sump where two mains powered Aqua Pumps were installed. Any water will be pumped to an existing drain at ground floor level. Platon P20, a deeper studded membrane, with a higher drainage capacity, was then laid to all floors which were then finished with chipboard and carpet. The walls were battened and boarded, with pipes and cables concealed in the cavity.

A new glass balustrade between the existing hall and stairwell to the cellar brought more natural light into the new space and helped to connect it to the rest of the house.

Triton approved contractor:

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Minimal preparation is required to the substrate before cavity drain membranes are installed.



The basement was waterproofed using Platon P5 membrane on the wall and deeper studded Platon P20 membrane on the floor.



The new habitable space comprises a bedsitting room, bathroom and wine storage.