



Case Study

Triton supplied:

TT Admix, Waterstop and Swellseal Mastic, Platon Membranes P20 and P8, Aqua Pump Pro Plus system

WINE CELLAR MADE WATERTIGHT BY TRITON

Triton has supplied Type B and C systems to waterproof a small basement below a luxury new build dwelling in the Midlands. The 6 x 5m basement will be used as a wine cellar and has been constructed from concrete made watertight by the addition of Triton's TT Admix.

TT Admix is a unique chemical treatment for the waterproofing and protection of concrete which is designed to be used as an admix at the time of batching. The active chemicals react with fresh concrete to generate a non-soluble crystalline formation which seals the concrete against the penetration of water or liquid, protecting it from the deterioration effect of harsh environmental conditions. All construction joints were waterproofed using Triton's TT Waterstop (a hydrophilic strip) embedded in TT Swellmastic.

This basement will also benefit from an internal Platon Cavity Membrane system with deep studded Platon P20 laid on the floor and Platon P8 fixed to the walls. Aqua Channel drainage and two mains powered Aqua Pump Pro pumps within a concrete sump have been installed to drain and pump away any water that may enter the basement behind the membranes.

Cavity drain membranes work on the principle of allowing water to continue to penetrate the structure but control it in the air gap and divert it to a suitable drainage point. They do not allow pressure to build up against the internal construction and the air gap behind the membrane allows the structure to breathe. Once the membrane has been fitted, wall surfaces can be dry lined or plastered directly and floors can be screeded or a floating dry board system installed.

Triton's technical team offers specification advice to architects to ensure the most appropriate waterproofing is selected and will provide installation and testing support on site for contractors.

Specialist basement contractor:

Specialist Remedial Services, Stourbridge
www.srsstourbridge.co.uk

Concrete supplier: Cemex

www.cemex.co.uk

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Basement formwork



Construction joints waterproofed with TT Waterstop



Walls and floors lined with Platon cavity drain membrane