

Cellar Waterproofing Hertford College, Oxford University

Client: Construction Company

Completed: 2017

Case Study No: 271

- Cellar Waterproofing
- Grade II Listed Building
- Type C Waterproofing

The Project:

To waterproof a wine cellar within the prestigious Old Buildings Quadrangle of Hertford College, Oxford University.



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Hertford College - The Problem

Established as Hart Hall in 1282 and later as Hertford College in 1740, this prestigious college, located on Cattle Street, Oxford, forms part of the world famous Oxford University and is one of the oldest educational faculties in the world.

The college is famous for its imposing and historic architecture including The Bridge of Sighs and the Old Buildings Quadrangle 'OB Quad'. The college also sits directly opposite the main gate to the Bodleian library, one of the oldest libraries in Europe and the second largest library in the UK with over 12 million items.

Within the OB Quad, which contains the Old Hall and it's striking spiral staircase, Protectahome were asked to inspect a wine cellar which was suffering with water ingress and to devise a sympathetic scheme of waterproofing to alleviate this issue.



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Hertford College - The Solution

Working alongside the appointed main contractor and building maintenance team at Oxford University, Protectahome's specialist CSSW qualified surveyor designed a Type C (Drained Protection - BS8102:2009) waterproofing system suitable for use within the Grade II listed cellar.

The Type C system comprised of the installation of 8mm cavity drain membrane to the walls and floors along with a fully maintainable perimeter drainage channel. The drainage channel feeds to a sump chamber complete with 2 automatic sump pumps and high water level alarm.

The system was installed by Protectahome's own specially trained operatives and completed on time and within budget, a long term guarantee was issued upon completion of the works.



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