

Basement and Pavement Vault Waterproofing

20 St James Street, Piccadilly

SCOPE

- // Design of the Waterproofing Works
- // Cavity Drainage System
- // Waterproof Rendering

DETAILS

- // Re-waterproofing to 1,360m² of walls and 875m² of floors
- // Soffits and archways protected with Delta MS500 Cavity Drainage
- // Designed to keep the original profile of the basement and vaults

Case Study // Waterproofing

Client | **J Coffey**
Role | **Specialist Sub-Contractor**

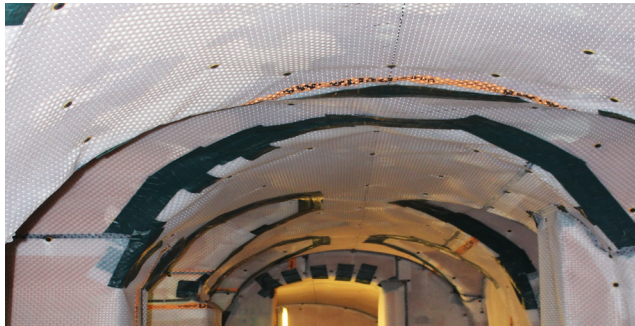
Before: Ornate Vaulted Roof



Before: Long term Water Ingress Damage



Before: Vault Detail to be Retained

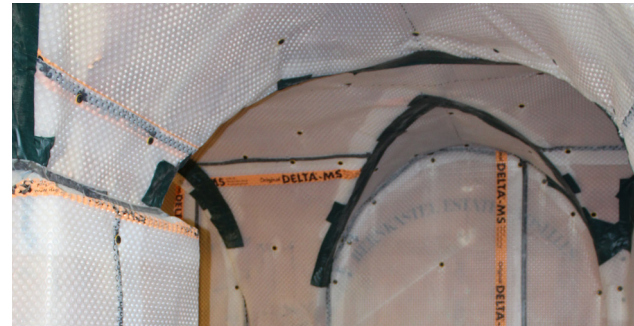


During: Cavity Drainage Installation

20 St James Street, Piccadilly underwent a complete transition including a change of use from vaulted wine cellars to habitable office space.

This complex basement area had to be fully re-waterproofed whilst retaining its original architectural features.

Cemplas' brief was to design the waterproofing works



During: Water Management System

package based on retaining original details. Our design included a range of approaches each one designed to combat a different problem.

Delta's MS500/MS20 Cavity Drain Membrane systems were installed allowing any moisture to be drained behind the membrane in a controlled fashion. Aluminium profiling bars were fixed into watertight plugs to facilitate subsequent fixing of two 6mm layers of plasterboard prior



During: Profiles Retained

to finishing.

Sika 1 Waterproof Render incorporating Sikadur Combiflex was applied to the internal faces of the perimeter walls with RIW's Toughseal applied to the concrete floor.

For further advice and/or information regarding ALL our services, please visit www.cemplas.co.uk or contact us via the details below.

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