



Beautiful Basements Case Study Basement Conversion - Warwick

Client
Waterproofing Designers

Ms. Braham
Beautiful Basements

Background

Modification and waterproofing of an existing Victorian barrel vaulted cellar into a dry, habitable living space.

Construction Method

To transform the basement into a useable area, the mains gas pipe was first rerouted before a structural wall was removed, at the clients' request. A steel beam and column was inserted and corresponding walls underpinned. The original staircase was removed and replaced and a new window installed to provide more natural light. Plaster to walls was removed and the barrel vaulted ceiling grit blasted to reveal the original brickwork.

A sump was then dug to house the pump whilst drainage was provided for the external wall CDM system. Integrated damp proof coursing was applied to the internal walls. New electrics were fitted throughout. After that, walls and ceiling were plastered and a new radiator installed, before laying a new wooden floor.

Waterproofing Method

Type C – Drained cavity protection

Using closed cell, waterproof insulation blocks, a cavity was formed in from of all of the external walls. Any water that entered the basement would collect in the base of this cavity which was then linked to a sump and pumping station via underground drains. The floor was covered with a traditional cavity drainage membrane and linked to the walls.

Waterproofing materials supplied by Delta Membranes

Build Programme

3 months



**Basement Build
Conversion
Retro-fit
Waterproofing**

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