



Beautiful Basements Case Study

New Build Basement - Ashbourne, Derbyshire

Clients
Developer
Design

Mr. & Mrs. A. Smith
Square Blue Developments
Oakwrights – Oak Frame Manufacturers

Waterproofing Designers

Beautiful Basements

Background

Basement build for a 5 bedroom new build property. Beautiful Basements were commissioned to excavate the site, build and waterproof a 13m x 9.8m basement. The area was then split into accommodation consisting of a gym, wine store, home cinema and plant room split into several areas.

Construction Method

A reinforced mass filled concrete slab was cast with steel reinforcing bars sticking through to allow the walls to be build.

The walls were build using 2 skins of solid 7kN concrete blocks with a cavity filled with reinforced concrete blocks.

A block and beam floor was laid on top, forming the ground floor of the new house,

Waterproofing Method

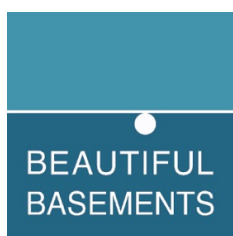
Type C – Cavity Drainage Membrane System

Internally all walls and floor were lined with a cavity drainage membrane and linked to an internal sump and dual pumping stations.

All waterproofing materials were supplied by Delta Membranes

Build Programme

4 months



Basement Build
Conversion
Retro-fit
Waterproofing

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