



## Beautiful Basements Case Study

### New Build Basement - Ashbourne, Derbyshire

**Clients** Mr. & Mrs. A. Smith  
**Developer** Square Blue Developments  
**Design** 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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