



Beautiful Basements Case Study

Stepoc Block New Build Basement - Buntingford, Herts

Architect
Structural Engineers
Waterproofing Designers

RD Post, Architectural Ideas
 Andrew Mann
 Beautiful Basements

Background

New basement built from Stepoc blocks. Beautiful Basements were commissioned to build and waterproof the basement.

The basement is under a stunning family bungalow in beautiful rural Hertfordshire, effectively doubling the size of the property.

Construction Method

The site has permanently high water table so a dual waterproofing system was installed. The waterproofing comprised thick bitumen sprayed on the outside (see www.nationaltanking.co.uk for details), whilst the inside had a full cavity drainage membrane and drainage system.

Waterproofing Method

Type A – External Barrier

A 2 layer spray bitumen with fibreglass mesh reinforcement was sprayed and a drainage membrane layer was laid on top of the bitumen linked to a perimeter drain and soak-away

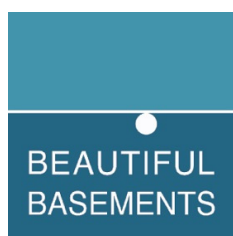
Type C – Cavity Drainage Membrane System

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

3 months



Basement Build
Conversion
Retro-fit
Waterproofing

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