

New Build Waterproofing De Walden Road, Malvern, Worcestershire

Client: Project Architect

Completed: 2010

Case Study No: 119

- Full Design & Installation
- Type C (Drained) Protection
- Long Term Guarantee

The Project:

The construction of a new build, part concrete, part timber framed 5 bedroom dwelling in Malvern including a part retaining lower ground floor.



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De Walden Road - The Problem

Protectahome were approached by the project architects, to provide a specialist waterproofing design and installation for the lower ground floor of this new build, 5 bedroom property situated in the Malvern Hills, Worcestershire.

The property is constructed over 3 floors, with the top floor featuring an open living area offering excellent views over the Malvern Hills, Area of Natural Beauty.

The lower ground floor of the property, housing 2 bedrooms, a bathroom and storage area, was earth retaining to the rear and side elevations and required a robust, bespoke waterproofing solution to provide a Grade 3 (habitable) environment as per BS8102 Code of Practice for the protection of below ground structures against water from the ground.



THE BASEMENT INFORMATION CENTRE MEMBER

British Structural Waterproofing Association



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De Walden Road - The Solution

Working in conjunction with the project designers, Protectahome's CSSW (Certificated Surveyor in Structural Waterproofing) qualified surveyor designed a Type C (Drained) Protection waterproofing system capable of delivering the necessary habitable environment.

The Type C system incorporated the use of, BBA certified, 8mm stud cavity drain membranes fitted to the walls and floors linked to a perimeter drainage channel installed at the wall/floor junction.

Any captured free water is directed into the channel from behind the membranes where it is then safely transported to a safe point of disposal. Due to the sloping topography of the site, the drainage channels were able to passively drain away from the property.

The perimeter drainage channels were also fitted with service/maintenance ports at strategic locations to allow for future monitoring & servicing of the fully maintainable system.

All works were completed by Protectahome's own, highly experienced, operatives before a long term guarantee was issued for the works.



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