



PROTECTAHOME LTD WATERPROOFING SOLUTIONS

Targeting problems with the best solutions

Established 1980

Case Study 011:

BASEMENT CONVERSION - GWANWYN (SPRING) COTTAGE

THE PROBLEM

Gwanwyn is a modern detached house set in a village location. The property is built at the bottom of a steep hill and during extreme wet weather the basement had been known to flood to around 750mm deep with Free Ground Water.

In this busy family home, a good size room was being under utilised as it could not even be used for dry storage. That was until the owners called in Protectahome.

THE SOLUTION

After a thorough survey and having evaluated the proposed end use of the basement, Protectahome designed and installed a Type C Drained Protection Waterproofing System.

This included for the installation of a Cavity Drain Membrane to the walls and the floor. A Perimeter Drainage channel was installed to capture any Free Ground Water that penetrates the structure. Free Water is delivered to a newly formed Sump Chamber that contains two high capacity, automatic (float activated) Sump Pumps. The Sump Pumps discharge any accumulated Free Water to external mains drainage, a battery powered High Water alarm provides additional peace of mind.

Protectahome were also contracted to install the finishes on this project including a "floating floor" constructed using Tongue and Groove Moisture Resistant Chipboard. The walls were finished with Independent Metal Studwork, Plasterboard and Skim plaster.

For 15 years the basement had been unusable. Following completion of our Guaranteed Work, the owners were delighted to begin fitting out their new home office and play room. The Basement Conversion caused minimal disruption and cost a fraction of moving house or building an extension.



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