



# PROTECTAHOME LTD WATERPROOFING SOLUTIONS

Targeting problems with the best solutions

Established 1980

## Case Study 09:

## STRUCTURAL WATERPROOFING - BARN CONVERSION, KIPSCOMBE

### THE PROBLEM

The conversion of a derelict Barn into habitable domestic accommodation. The building is set high on a hillside in a particularly exposed rural location.

The Barn is built on split levels meaning a number of the walls are earth retaining and suffering from ground water ingress. Years of neglect and lateral rain water penetration had led to structural problems, whilst the housing of livestock was responsible for high levels of contamination in the structure, including nitrates and uric acid.

### THE SOLUTION

Protectahome were asked to provide a comprehensive Waterproofing Solution that would meet and overcome the demands of the site. Mindful of the historic nature of the building, the final installation also had to be a reversible process.

Having dealt with Structural Repairs and Stabilisation using a bespoke system of Anchoring and Consolidation, we began the process of installing a Drained Protection Waterproofing System. The Waterproofing was applied to the full height of the barn, providing additional protection against future lateral rain water penetration.

This type Waterproofing uses the Barn and its structure as a host for the internally applied Waterproofing and the finishes. Barn Conversions offer unique challenges, the correct specification and use of specialist Membranes can eliminate problems typically associated with traditional Tanking such as debonding, salting and delamination.

As an additional benefit, there is no drying time with our Waterproofing system which meant the main contractor could proceed with finishing works without delay. The Installation benefits from a Protectahome long term Guarantee and the design is covered by our PI Insurance. More information about Barn Conversion and additional Barn Conversion Case Studies can be found on our website.



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