



Adaptavate were pleased to collaborate with Lee Harper and Harper Building Diagnostics on this Grade II listed, late medieval, timber-framed thatched property in Wiltshire.

Harper Building Diagnostics had been monitoring damp-related issues at the property for several years and were tasked with diagnosing the source of the damp and remedying with chemical free solutions to create healthier and more comfortable internal environments. Adaptavate were pleased to collaborate to find a suitable solution on this sensitive project.



Harper Building Diagnostics are specialists in diagnosing and remedying damp problems, timber decay and other material failures. Chemical free strategies, environmental controls, conservation and sustainability are the cornerstones to their business.



**Date:**

October 2017

**Location:**

Wiltshire

**Project type:**

Grade II listed  
Residential Property

**Problems:**

- Longstanding damp problems.
- Inappropriate specifications had exacerbated damp problems - thermal bridging created cold spots.
- Walls requiring plastering constructed of several different materials incl. clay, chalk and brick.
- Grade II listing required sympathetic choice of materials.

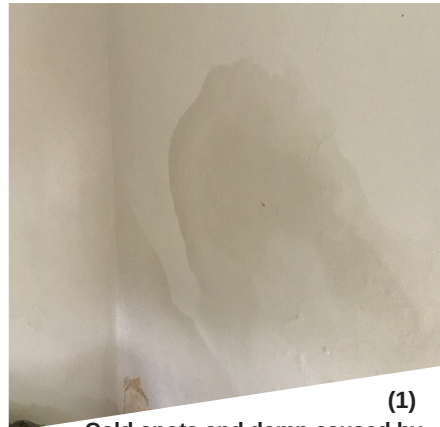
**Solutions:**

- Hygrothermal qualities of Breathaplasta used to create a warmer wall surface.
- Plaster is breathable & moisture regulating to manage condensation.
- Aesthetically pleasing and historically sensitive material choice.

**Lee Harper (Consultant & Director, Harper Building Diagnostics)**

"This Grade II listed property has long-standing damp-related issues. Although the property had been recently 'refurbished', inappropriate specifications and methodologies had exacerbated damp problems as highly conductive metalwork had been incorporated into the wall creating thermal bridges - cold spots that attracted condensation and damp.

We wanted to increase the surface temperature of the walls through the use of a breathable insulating plaster. Breathaplasta's hygrothermal qualities enabled us to achieve this with a warmer wall surface area and better management of condensation preventing the reappearance of cold spots. Breathaplasta helped us to realise a healthier and more comfortable internal environment for our client.



(1)  
Cold spots and damp caused by thermal bridging haven't returned.



(2)  
Damaged plaster from damp and poor management of condensation.

**Luke Cooper (Installer)**

"Brethaplasta is a very straightforward and easy product to mix and apply, even for those with limited experience of lime products. Drying was predictable, even on to the multiple backgrounds we were faced with - clay, chalk, brick, flint and cement-based render".