

# Crack Stitching & Consolidation Anchoring Astley Castle, Warwickshire

Client: The Landmark Trust

Completed: 2010

## Case Study No: 60

- Cintec Anchoring
- Consolidation
- Crack Stitching
- Diamond Drilling

### The Project:

RIBA Stirling Prize  
winning £2.5m  
restoration of this  
12th century Grade II  
listed manor house  
in Warwickshire.



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# Astley Castle - The Problem

Astley Castle is a 12th Century Grade II\* Listed Building in Warwickshire which has been converted into an innovative modern holiday home and was awarded with the 2013 RIBA Stirling Prize for architecture.

Originally a moated, fortified manor house and the former home to three Queens of England, the castle was extended and altered over subsequent centuries of occupation.

Devastated by fire in 1978, Astley Castle became the subject of an ambitious restoration project spanning three years and costing over £2.5million.

Renovated on behalf of the Landmark Trust, a charity that restores and revives historic buildings carefully and sensitively, the castle was selected from six shortlisted buildings in September 2013 to win the Royal Institute of British Architect's highest accolade.



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# Astley Castle - The Solution

Protectahome were brought in at the first phase of restoration to undertake structural repairs and complete the initial stage of stabilising the remaining walls of the listed building prior to rebuild.

Our skilled technicians installed over 160 consolidation and stitching Cintec anchors, included two 12 metre anchors.

Cintec RAC, RWT, Stud and Rebar Anchors were also used, ranging from 450mm to 12 metres in length.

To facilitate the installation of the Cintec Anchors, Diamond Core holes of between 25mm and 65mm in diameter were drilled. Careful, precision drilling was required to preserve the remaining structure.

Cores removed during this process were retained and reused where the anchors were installed, leaving an almost invisible repair.



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