



PROTECTAHOME LTD STRUCTURAL SOLUTIONS

Targeting problems with the best solutions

Established 1980

Case Study 07:

CINTEC ANCHORS: WITLEY COURT, WORCESTERSHIRE

THE PROBLEM

Witley Court is a ruined country house in Worcestershire under the guardianship of English Heritage.

Following a fire in 1937 the house and land were split into auction lots and sold to demolition contractors and timber merchants. After three hundred years of evolution, the grandeur that was Witley Court fell into ruin and decay.

Since 1972 work has been taking place to make the building safe for visitors. Over 800 acres of formal gardens have been replanted and fountains restored.

Part of the restoration work includes the stabilisation of walls and features of the main house, as well as the surrounding structures. All to exacting standards set out by English Heritage.

THE SOLUTION

Cintec Rebar Anchors 3.5 metres long were introduced into the earth retaining walls of the Churchyard, Figure 3.

The anchors were installed using a Hydraulic drill head and diamond core bits mounted on a specially adapted rig fixed to the scaffolding, Figure 1. The use of this equipment enabled the anchors to be installed at predetermined angles into the rock beyond the retaining wall.

Hundreds of Cintec and Helical ties were used to pin back brick and render panels.

Cintec RAC anchors were used to stabilise and secure fire places in their original positions, Figure 2.

This intricate, precision work was carried on time and to the highest standard by Protectahome.



Figure 1



Figure 2



Figure 3



Figure 4

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