

CASE STUDY

CCL

CAST CONTRACTING LIMITED

Barns Croft

The supply and installation of Gas and waterproofing membranes for the prestigious new build dwelling, Barns Croft, located in Ampney Crucis.



THE CHALLENGE

CCL were employed by Cranatt construction to supply and install a combined gas and waterproof membrane solution to the luxury new build dwelling, Barns Croft, inclusive of a basement and buried roof deck.

A gas characteristic of CS2 was identified within ground report, therefore the solution needed to protect against methane, carbon dioxide and hydrocarbons



THE SOLUTION

Working closely with RIW, CCL supplied and installed RIW's Structureseal GPT gas/water resistant pre-applied membrane, prior to other contractors within the project forming the reinforced concrete retaining walls and basement slab.

This was followed by the application of RIW Flexiseal 500HG waterproof coating and protective drainage sheet to the concrete roof decks above the basement areas. Including Sheetseal GR reinforcement, linking onto RIW Structureseal GPT.

In addition to this, CCL supplied and installed RIW's Cavity Drain Membrane as a second form of waterproofing, including the provision of a mechanical sump pump system.

CCL utilised automated thermal heat welding technology to ensure a robust seal for the joints across the whole system. The entire installation was then verified by a certified independent specialist, in accordance with BS8485:2015+A1:2019, whilst also meeting the requirements of CIRA C735



CLIENT TESTIMONIAL

"CCL offered the opportunity to have a fully verified waterproofing and gas solution, supplied and installed in accordance with British Standards.

Their use of advanced thermal welding technology, provided us with complete peace of mind. From start to finish operatives provided a timely and efficient service, ensuring the whole programme ran smoothly at all times."

Andrew Powell
Project Manager
Cranatt Construction Ltd

PRODUCTS

RIW Structureseal GPT

RIW R7 & R20 Cavity Drain Membrane

RIW Aquchannel

RIW Overtape

RIW Flexiseal 500HG

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