

CASE STUDY

CCL

CAST CONTRACTING
LIMITED

Sidney Sussex College Cambridge University

A below ground waterproofing solution was required for a new kitchen block at Sidney Sussex College, Cambridge University's award-winning kitchen facilities.



THE CHALLENGE

Sidney Sussex College began an ambitious development project to replace its kitchens and relocate the main kitchen underground into the Masters Garden, where it would be transformed into a multi-purpose servery and function room. Waterproofing Specialists Cast Contracting Ltd

THE SOLUTION

CCL installed a full external system to the kitchen and catering facilities within the new basement and roof deck extension. Newton's pre-applied 403 Hydrobond waterproof membrane was installed prior to the installation of the reinforced concrete slabs and basement retaining walls. Large 3m deep pump chamber pits were also waterproofed with pre-applied 403 Hydrobond. To protect the concrete structure from above, the roof deck was treated with RIW's

(CCL) were commissioned by Hutton Construction, to install a full external waterproofing system to encapsulate the new kitchen structure. All works needed to comply with BS:8102:2009 – Protection of below ground structures from water from the ground.

Flexiseal Pro polymer modified epoxide waterproof coating system. In addition, RIW's Doubledrain sheet was applied to promote the flow of water away from the surface of the structure, and to provide further protection from the finishes placed above. To complete the comprehensive waterproofing solution, CCL installed a full water management system into the second phase of the project, using Newton's 500 cavity drain membrane range to the newly formed basement structure and pre-existing adjoining basement area.



CLIENT TESTIMONIAL:

'Due to the nature of the project at Sidney Sussex College and the sequencing of the concrete pours, CCL had to carry out the waterproofing works over several visits to the site. They worked closely with us to ensure a continuity of works and to ensure the integrity of the membrane was not compromised during the installation process.'

Nick Ingram, Site Manager, Hutton Construction Ltd

PRODUCTS

Newton 403 Hydrobond

RIW Flexiseal Pro

RIW Doubledrain

Newton 500 system

Cast Contracting Ltd

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