

Supply and installation of a Commercial Kitchen Canopy and Furanflex Liners



AT A GLANCE

Industry Sector: Education

The Challenge: To design, supply and install an extract air wall mounted kitchen canopy

Solutions and Services:

- Design, manufacture and installation of a kitchen canopy system.
- Kitchen canopy system inclusive of baffle filters, lighting, extract fan and ductwork, attenuation, gas proving and current monitoring.
- Supply and installation of 4No Furanflex RKV liners.

The Benefits:

- An installation that was fit for purpose and caused minimal alternations to the existing building fabric.
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CASE STUDY

Midtherm Engineering were asked to attend site at a prestigious and historic site in Southern England, to assist with the supply, design and installation of a new commercial kitchen canopy system in one of their main kitchens, due to significant renovation of the existing kitchen and its equipment.

The canopy would be designed to serve 3No Combi ovens, 2No Range ovens, a Fryer and a grill.

Specified and fit with baffle filters, lighting, extract fan and ductwork, attenuation, gas proving and current monitoring, this canopy would be added to our many commercial kitchen canopy turnkey solution portfolios.

The canopy would receive its input air passively via windows at high level within the kitchen, due to the buildings listed status no mechanical input air could be installed. It was designed to incorporate a specialist stainless steel support frame as the kitchen's ceiling was 14m and we were unable to fix back to the listed buildings internal walls.

Complications on site meant that the extract ductwork would be required



Our engineers completing a CCTV survey of the existing chimney prior to lining.

to connect via a bespoke manifold to 4No of our Furanflex RKV liners, at high level within the kitchen, and route through an existing chimney to discharge safely above roof level.

With fire class rating A2-s1, d0 and fire resistance class EI 60, combined with its ability to easily navigate chimneys with small openings, offsets and other awkward shapes, the Furanflex RKV liner was the most appropriate solution for this project.

After receiving an order Midtherm Engineering had completed the full design, site surveys, 3D CAD drawings, manufacture and installation within 3 months.

“ Listed buildings, although they are architecturally and historically significant can create a multitude of problems on site, which was definitely the case on this project. Ultimately we provided our client with a compliant solution that did not impose on the existing building fabric. ”

Denny Walker,
Contracts Director,
Midtherm Engineering

RKV liners ready to be steamed.



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