



## DOMESTIC PROPERTY

### CASE STUDY

**CLIENT:** HCCC - Harris Calnan  
Kensington & Chelsea, UK

**SECTOR:** Domestic Property, Royal Borough  
of Kensington & Chelsea, UK

**PROJECT:** FireMaster® Fire Curtain Barrier

**APPLICATION:** Protected Means of Escape &  
Openings in Walls



**coopers**

EST. 1983

LEADING THE WAY IN FIRE PROTECTION

# COOPERS GUARANTEE MODERN DOMESTIC DESIGNS MEET FIRE REGULATIONS

## WHAT TYPE OF FIRE PROTECTION WAS THE CLIENT LOOKING FOR?

Harris Calnan Construction Company (HCCC) is one of London's most established contractors specialising in the refurbishment of prestigious residential properties. Recognised by The Royal Institute of British Architects (RIBA), HCCC work with leading architects to transform some of London's most exclusive addresses into modern, desirable homes.

Creating modern, open plan environments often requires the demolition of non-loadbearing walls that were originally built in accordance with building regulations at the time.

For HCCC, redeveloping an exclusive property in London's Kensington & Chelsea borough required the demolition of a non-loadbearing firewall to create a large, open plan kitchen. However, removing this wall would result in the property's failure to comply with enforced fire regulations. If the new, open plan designs were to be realised, HCCC had to replace the firewall with a non-invasive means of providing 30 minutes fire resistance and heat protection. Furthermore, it would need to allow escaping occupants to pass this area safely, without this, the property would fail to meet fire regulations and be granted Building Control approval.

## HOW DID COOPERS HELP?

Coopers were appointed by HCCC to develop a fire curtain system that would effectively compartmentalise the kitchen with an additional, standalone system required to stop hot smoke spreading throughout the house. Coopers solution was to manufacture, install and commission two FireMaster® Plus domestic fire curtains.

“ Guaranteeing compliance with The Royal Borough of Kensington & Chelsea Building Control safeguarded the property's open plan design whilst sympathetically remaining from view ”

The first domestic fire curtain was developed and installed to protect and contain fire and smoke to the kitchen whilst the second fire curtain was installed to stop smoke and fire from travelling between floors to reach other areas of the property.

## BENEFITS

From concept to commissioning, Coopers liaised with the Local Authority Building Control Body to confirm that both FireMaster® Plus domestic fire curtains and accessories were installed to meet requirements.

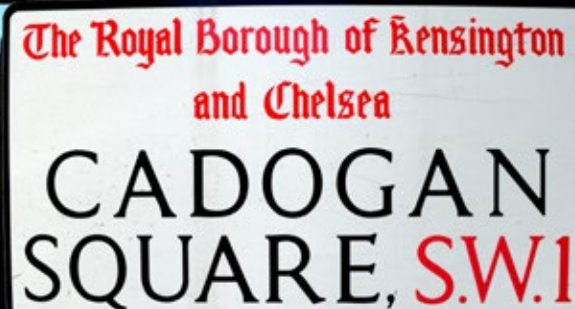
Approved to provide 2 hours fire resistance and provide tenable heat protection for occupants exiting the building, both fire curtains were installed within the ceiling to remain hidden and sympathetic to the property's design until required.

Coopers project managers worked with the client to guarantee local Building Control requirements were met by installing smoke seals, voice warning and emergency buttons to meet the full requirements of PAS 121:2007.

Increasingly specified by architects, Coopers domestic fire curtains are an approved, non-invasive alternative to traditional fire protection equipment and provide designers with the means to replace non-loadbearing walls and doors to create modern, open plan living in accordance with fire regulation requirements.

## KEY BENEFITS

- Guaranteed Building Control approval
- PAS 121 approved
- Independent Third Party Accredited
- Manufactured by Coopers in the UK under ISO 9001
- Full project management or supply only



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and Chelsea  
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