



coop^{ers}

SMOKE AND FIRE CURTAINS

FireStopping BY COOPERS FIRE

This system creates a fire resistant barrier between the structural soffit and the active fire curtain headbox while allowing approved service penetrations through the tested assembly.

This restores compartmentation and provides a continuous passive fire protection solution around the curtain installation. Creating one fully comprehensive solution for the whole building.



LEADING THE WAY IN FIRE PROTECTION

WHY IS IT NEEDED?

An active fire curtain is only one element of the passive fire protection system. The surrounding construction must also maintain adequate fire performance. This supports project duty holders in demonstrating that the specified and installed FireStopping solution is appropriate for the application and supported by relevant test and assessment evidence.

FireStopping reduces interface risk by providing a defined fire stopping solution, supported by relevant test and assessment evidence, as part of the active fire curtain installation.

Without FireStopping:

- Fire may spread through the void above the active fire curtain
- Building services penetrating the fire barrier can compromise its fire performance if they are not appropriately fire stopped
- Site-specific fire stopping arrangements may be required where the construction or penetrations fall outside an established tested or assessed solution.



ONE SUPPLIER

ONE INSTALLER

**ONE COMPLETE
FIRE PROTECTION
SOLUTION**

KEY PERFORMANCE



INTEGRITY

Up to 90 minutes



COMPATABILITY

Installed above all Coopers Fire curtain systems (Single, Multiple, Wide, and Concertina systems)



CERTIFICATION

Third party approved:
EN 1634-1
EN 1363-1



A1 FIRE RATING

All fabric materials are classified as A1 (non-combustible) according to BS EN 13501-1

TYPICAL APPLICATIONS



Fire curtains that are suspended on drop rods



A suspended ceiling that sits below the structural soffit



Where there are changes in soffit height



FireStopping barriers can be secured to brick or concrete, using steel profiles for attachment

APPROVED PENETRATIONS

PENETRATING SERVICE	DIAMETER / SIZE	WALL THICKNESS
Steel pipe	Pipe diameter up to 60mm	Steel: 4.5 – 5mm
PVC pipe	Pipe diameter up to 110mm	3.4mm
Steel cable tray with cables	Up to 155mm wide x 25mm high	Tray: 1mm thick
Steel cable tray with cables	Up to 100mm wide x 12mm high	Tray: 1.6mm thick
Timber strut	Up to 100mm wide x 50mm thick	N/A
Steel trunking	Up to 53mm wide x 53mm high	Steel: 1.2mm thick

CABLE TYPE	MAXIMUM CABLE DIAMETER	No. OF CABLES IN 1 BUNDLE
Multicore 'power' cables including coppers conductors and sheathed with PVC with steel wire armour	12mm	2 qty. maximum if > 10 diameter
Multicore cables including coppers conductors and sheathed with PVC with steel wire armour	9mm	Up to a combined diameter of 16mm
Multicore cables including coppers conductors and sheathed with PVC with metallic sheet barrier (Fire cable)	7mm	Up to a combined diameter of 16mm
Network / telecommunications cables	8mm	Up to a combined diameter of 16mm
Multicore cables, including coppers conductors and sheathed with rubber	6mm	Up to a combined diameter of 16mm

WITHOUT



WITH



FireStopping is installed above the active fire curtain headbox where there is a void between that and the ceiling. This keeps the build compliant with fire regulations.

PARAMETERS

FireStopping is a single layer flexible fabric structure. This is a tested solution with accompanying UKAS accredited Field of Application.

Where proposals fall outside the parameters below, a project-specific assessment would be required, with acceptance by the project's appointed fire engineer/design team.

INSTALLATION

- Minimum height = 300mm
- Maximum height = 1,500mm
- Maximum width = Unlimited
- Where penetrations are required then the static barrier must be fixed to rigid blockwork construction only
- If there are no penetrations passing through the static barrier this can be fixed to a flexible construction.

PERFORMANCE

- 90 minutes integrity
- Reduced to 60 minutes integrity where penetrations are introduced

PENETRATIONS

- Any penetrations must be located a minimum of 50mm from the perimeter of the fabric
- Maximum of four penetrations per section of fabric
- All penetrations must be installed with supports fixed back to the supporting construction as to remain independent from the static fire barrier.

PRODUCT FEATURES

- 1 FireStopping**
Creates a fire barrier between the soffit and headbox, supported by fire test evidence and a Field of Application assessment for defined variations
- 2 Headbox**
Conceals the active fire curtain when not in use
- 3 Service Penetrations**
Assessed penetration details allow building services to pass through the barrier while maintaining the stated fire performance, within the defined scope
- 4 Active Fire Curtain**
Firestopping solution supported by test and assessment evidence to help prevent the spread of fire
- 5 Drop Rods**
Suspension system that supports the headbox



CUSTOMER BENEFITS

- | | |
|---|---|
| ✓ Up to 90 minutes fire integrity where no services exist in the soffit or void above the curtain | ✓ Up to 60 minutes fire integrity where services do exist in the soffit or void above the curtain |
| ✓ Penetration seals supported by third party Field of Application | ✓ Supports Building Regulations compliance through defined test and assessment evidence |
| ✓ Complete traceability of the installed FireStopping system | ✓ Tested solution with accompanying UKAS accredited Field of Application |
| ✓ Compatibility across the FireMaster® curtain range | ✓ Reduced installation risk |
| ✓ Simplified coordination between trades | ✓ Faster design approval |

THE COOPERS PROCESS



INITIAL ENQUIRY

Get in touch with our team
sales@coopersfire.com



UNDERSTAND YOUR PROJECT REQUEST

And fixing substrates



REVIEW DRAWINGS

Review our tested & certified details



QUOTATION PROVIDED

A detailed quotation is provided



QUOTATION ACCEPTED

Terms agreed



SITE SURVEY

A site survey is carried out before installation



REQUOTE IF REQUIRED

If changes are identified during site survey



PROJECT PACK SUBMITTED

Site specific detail pack issued for approval



INSTALLATION

The active fire curtain is installed. Followed by the FireStopping



RECORD INSTALLATION

For future traceability and compliance assurance



CERTIFICATE SHARED

A certificate of compliance is issued and shared with the end customer

CONTACT US



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