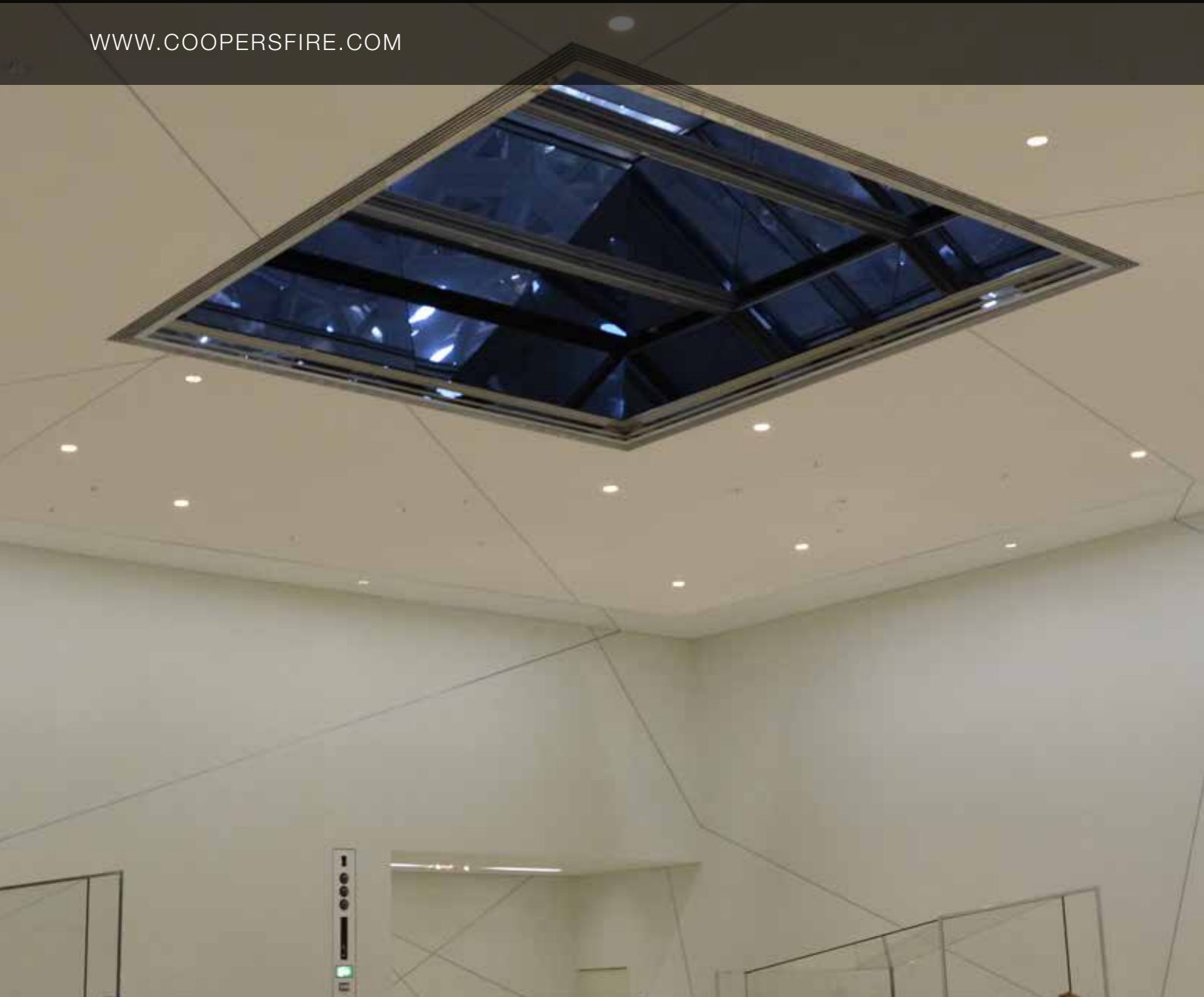


FIREMASTER A1 NVS HORIZONTAL SIMPLEX

HORIZONTAL ACTIVE FIRE CURTAIN BARRIER
WITH NO VISIBLE SUPPORTS (NVS)

WWW.COOPERSFIRE.COM

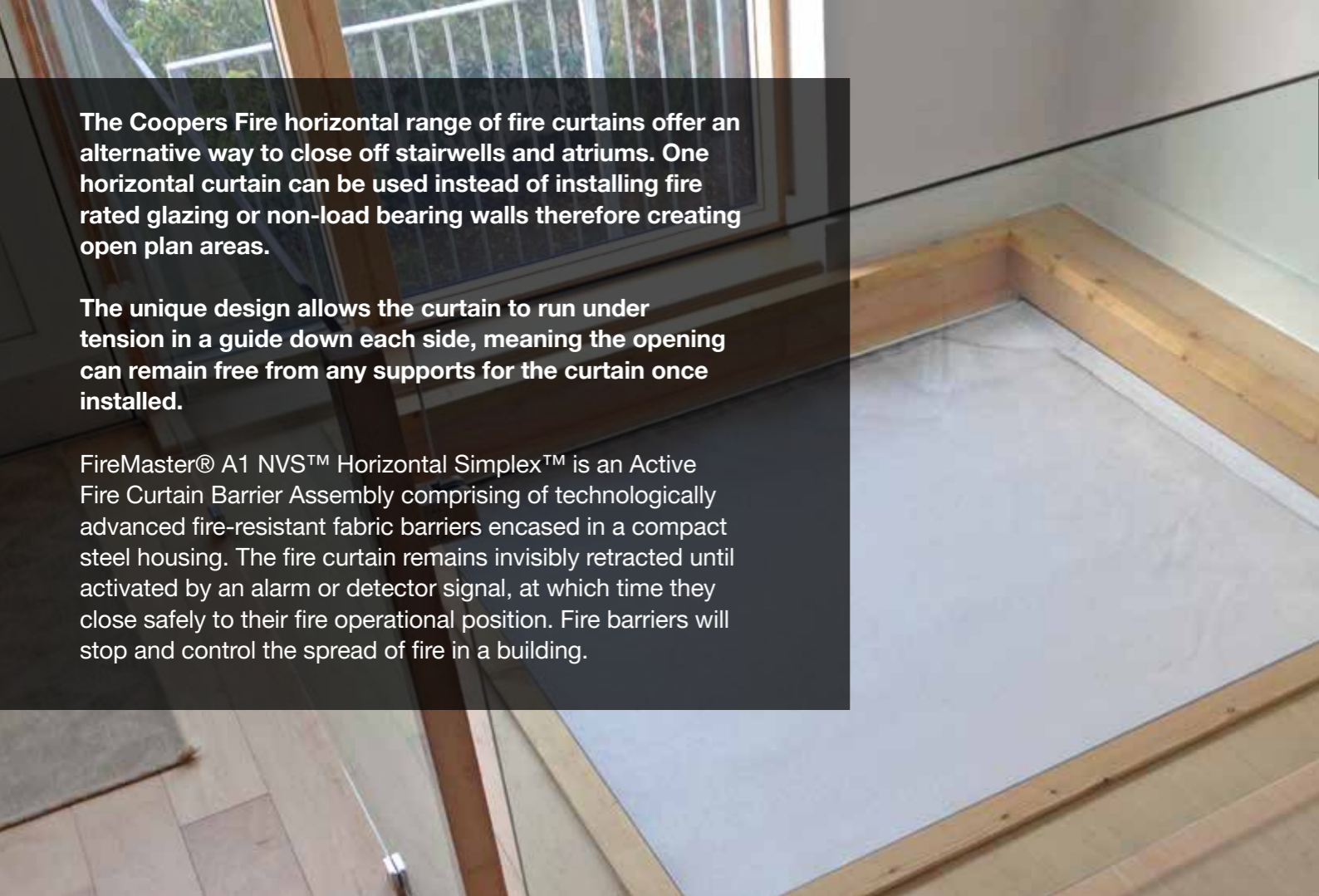


LEADING THE WAY IN FIRE PROTECTION

The Coopers Fire horizontal range of fire curtains offer an alternative way to close off stairwells and atriums. One horizontal curtain can be used instead of installing fire rated glazing or non-load bearing walls therefore creating open plan areas.

The unique design allows the curtain to run under tension in a guide down each side, meaning the opening can remain free from any supports for the curtain once installed.

FireMaster® A1 NVS™ Horizontal Simplex™ is an Active Fire Curtain Barrier Assembly comprising of technologically advanced fire-resistant fabric barriers encased in a compact steel housing. The fire curtain remains invisibly retracted until activated by an alarm or detector signal, at which time they close safely to their fire operational position. Fire barriers will stop and control the spread of fire in a building.



THE FIREMASTER HORIZONTAL SIMPLEX IS DESIGNED TO PREVENT THE SPREAD OF FIRE IN THE HORIZONTAL PLANE AND AVAILABLE IN A RANGE OF SIZES.

TESTED TO

The barrier assemblies have been tested to the requirements of BS EN 1634-1:2014 + A1:2018 for 'Fire Resistance' (120 minutes integrity).

CERTIFICATION

Complete FireMaster A1 NVS Horizontal Simplex active fire curtain barrier assemblies are certified by an independent accredited certification body operating to ISO/IEC 17065:2012.



PERIOD OF FIRE RESISTANCE

120 minutes integrity

BENEFITS

- **Compartmentalise vertical space over multiple floors using horizontal fire curtains to slow the movement of smoke and fire.**
- **Cost saving on atrium construction requirements**
- **Cheaper solution than vertical fire curtains on multiple floors**
- **Reduced maintenance costs with less curtains and no supports in the void**
- **Light weight construction does not require structural steel to support it**
- **Larger sizes can be manufactured on request subject to certification**

FEATURES

- In the event of an alarm signal the curtain will close immediately to the Fire Operational Position (FOP).
- The fire curtain deploys to the fire operational position at a minimum of 0.06 m/s.
- If there is a mains power failure the curtain will remain in the open position for approximately 30 minutes as standard, (but can be increased if required) before failsafe closing to the Fire Operational Position (FOP).
- No Visible Supports within the atrium void



APPLICATIONS

- **STAIRWELLS**
Replace conventional doors and wall solutions allowing an open plan environment
- **ATRIA**
Barriers allow multi-floor concourse openings and large atria
- **LIGHT WELLS**
Provides protection to non-fire rated glazing

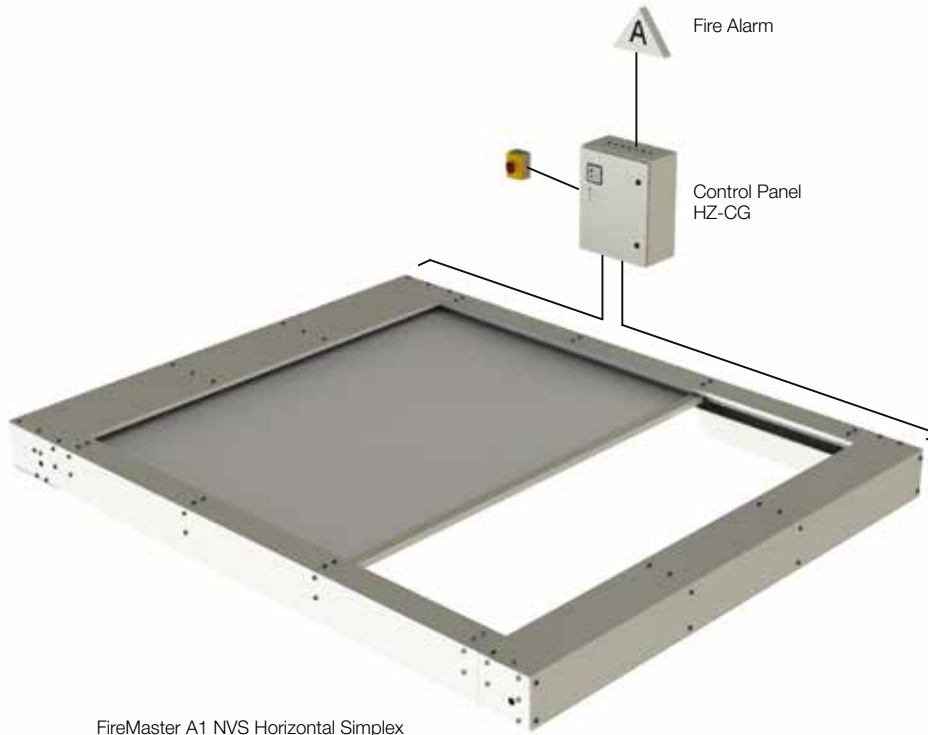
Model	Max Width	Max Length	Fire Rating
FireMaster A1 NVS Horizontal Simplex	7m*	7m*	120 minutes

*for larger sizes please contact Coopers Fire

CONTROL OPTIONS

Controls are custom made to be fully compatible with both existing alarm systems and the number of curtain units installed.

When an alarm signal is detected, the control panel will automatically trigger all the curtain systems to close.



FireMaster A1 NVS Horizontal Simplex

POWER SUPPLY
220V-240Vac 50/60Hz dedicated supply via all pole isolator

DRIVE SYSTEM:
Coopers Fire 24Vdc motors

BATTERIES
2 x 12V 12A/h lead acid batteries

ALARM SIGNAL
Normally closed volt-free contacts. Open on activation

TEST FACILITY
Zone Control Panel (ZCP) located on front of Power Supply Unit (PSU)

DISPLAY
Power ON, Alarm ACTIVE and Alarm OFF status LED's on ZCP

DIMENSIONS OF CONTROL PANEL
400mm(w) x 500mm(h) x 210mm(d)

For information, to get a quote or to book a CPD workshop

Please call:
+44 (0)2392 454 405

or E-mail: info@coopersfire.com
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Coopers Fire Ltd has a policy of continuous product improvement.

As such we reserve the right to change design and specifications without prior notice.

Please check our website for the latest information.

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v01 Nov 2020



LEADING THE WAY IN FIRE PROTECTION