



FireMaster® Plus NVS™ Horizontal Simplex™

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Detailed description

Active fire curtain barrier assembly tensioned between rollers mounted at either end of a void opening, comprising technologically advanced fire-resistant fabric barriers encased in a compact steel housing. Barriers remain invisibly retracted until activated by an alarm or detector signal, at which time they descend safely to their fire operational position.

To be compliant, fire barriers must be protected from a short circuit and or total power failure, this is achieved with the patented Total Gravity Fail-Safe (TGFS) system. Fire barriers will control the spread of fire in a building. It is suitable for smaller openings and skylights, etc.

Operation:

The barrier assemblies commence movement upon initiation and move to the fire operational position with site specific adjustable and synchronized velocities within the range of 0.06–0.30 m/s using the unique VarioSpeed™ function. The barrier has fail-safe with controlled braking system and drive mechanisms.

Rollers:

The rollers are mounted and are driven by tubular motors. The rollers are enclosed in a steel housing and the leading edge of the curtain fabric has a supporting bar spanning between the side channels that retain the barrier.

Fabric:

Fabric type is EFP™ 2/1000/BI, a glass fibre, stainless steel wire reinforced, fabric coated with an intumescent graphite silicone elastomer, nominal 1900 g/m².

Standards:

Compliant to PAS 121:2007 (where applicable).

Warranty:

One year.

Product guidance - As Standard

Fire resistance:

120 minutes integrity.

Radiation resistance:

84 minutes <15 kW/m².

Power supply:

230 V AC 50 Hz dedicated supply via 13 A un-switched fused spur. Backup

Coopers Fire Ltd



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battery: Two 12 V 12A/h lead acid batteries.

Alarm signal:

Normally closed volt-free contacts, open on activation.

Display:

Power on, alarm active and alarm off.

Power supply size (w x h x d):

600 x 600 x 210 mm.

Options

Size (maximum, w x l):

3 x 4 m.

Side channels:

Side channels seal the curtain fabric and the building. Fire can cause extreme positive or negative pressures (up to 20 Pa). Side guide channels are constructed from galvanized steel (available in standard RAL colours) that can be either surface mounted or recessed into the wall structure to give a flush finish.

Product specification

Manufacturer

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Product reference FireMaster® Plus NVS™ Horizontal Simplex™

Size []

Side channels []

Type Face fixed
Reveal fixed

Orientation Horizontal

Finish Not applicable
Galvanized steel



Powder coated - Available upon request,
insert colour requirements.

Type

Face fixed
Reveal fixed

Orientation

Horizontal

Finish

Not applicable
Galvanized steel
Powder coated - Available upon request,
insert colour requirements.

Fixing

Face fixed
Top fixed

Accessories

[None]
[Visual alert system] - Light warning system
when mains or emergency power is
available.
[Voice warning] - Audio or spoken multi
message facility when mains or emergency
power is available.

Accessories

[None]
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