

firemaster® horizontal

Up to 2 hour fire protection on a horizontal plane



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delivering engineered solutions

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FireMaster® NVS™ Horizontal is an active curtain barrier assembly that acts as a fire separating element in the horizontal (non-vertical) plane. One horizontal curtain can be used instead of installing fire multiple vertical fire rated barriers.

NVS stands for No Visible Supports which means 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.

| system | fire rating | min width | min draw | max width | max draw |
|--------------|-------------|-----------|----------|------------|-----------|
| mini simplex | -/120/- | 1 metre | 1 metre | 2.5 metres | 7 metres |
| simplex | -/120/- | 1 metre | 1 metres | 7.5 metres | 12 metres |
| duplex | -/120/- | 1 metre | 7 metres | 7.5 metres | 14 metres |

barrier construction

There are three types of horizontal curtain; the Mini Simplex, Simplex and Duplex. Both the Mini Simplex and Simplex close from one end to the other, whereas the Duplex is used for much larger areas and closes from each end of a void to meet and close in the middle. Each roller is up to 6m wide with a 10m draw.

Maxi Simplex and Maxi Duplex models are required where the width exceeds 6 meters and up to 9 meters.



1. Fabric Roller Head
2. Fabric Curtain
3. Guide Assembly
4. Cable Roller Headbox

operation

The leading edge of the curtain fabric has a special pre-tensioned support bar spanning the opening which runs in the side channels where the curtain fabric is retained. On alarm activation, the barrier is driven by tubular motors to the closed positions using steel pull straps.

fabric

The curtain material is a satin weaver fiberglass fabric with a silver polyurethane coating on both sides and integral stainless wire. It is 0.54mm thick, and weighs approximately 690g/m² in its finished form.

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installation

This product is installed by our expert technicians, ensuring that the product is working to its maximum capabilities. We also provide service technicians which ensure that the system is well maintained, ensuring that the system is always at 100%. Please account for a lead time as this is a large product that requires specific development based on your requirements.

material finish

Metalwork is zinc coated mild steel. This can be painted on site or powdercoated to DULUX or RAL colours.

fire rating

Up to 2 hours fire integrity to AS1530.4. Assessment report EXOVA EWFA-RIR-25596.

sustainability

We ensure that the construction, operation, and management of our systems are conducted utilising sustainable practices. The firemaster horizontal is a safety system that is gravity failsafe, requiring little energy to operate. This system utilises sustainable materials which are recyclable and does not use any plastics. Our firemaster systems are constructed using sustainable practices which minimise emissions, reduce waste and eliminate water wastage and pollution.

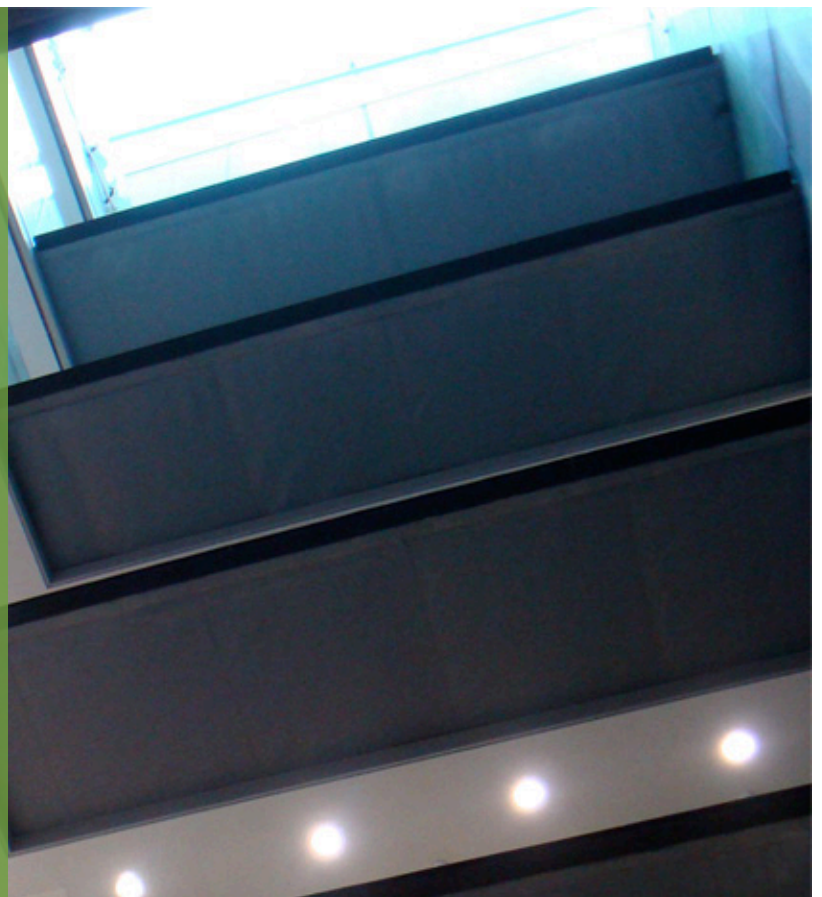
test / reset

Test is performed by a simple key switch operator. The system is reset manually by pressing the reset button on the control panel.

Automatic reset is available.

benefits

- Allows for designs to create openings in floors within a building
- Can remove the requirement for atrium provisions from the building code
- Reduced cost compared to vertical fire curtains if the void spans many floors
- Clear unobstructed void without support wires
- Provides design freedom
- Made with sustainable materials
- Made using sustainable methods
- Can be designed into a structure





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