![greene fire logo]

FireMaster® Horizontal

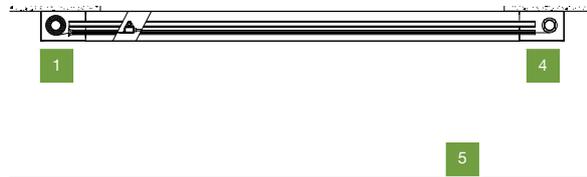| Fire Rating	Max Width	Max Draw
- / 120 / -	9 metres	20 metres

FireMaster® NVS™ Horizontal

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.

1	Fabric Roller Head Box
2	Fabric Curtain
3	Guide Assembly
4	Cable Roller Headbox
5	Finished Floor

N.B. Simplex version shown

Barrier Construction

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.

Material Finish

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

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.

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 weave fibreglass 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.

Fire Rating

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

Incident Irradiance (kW/m²)

Time (mins)	I_0 - 0mm	I_{1000} - 1,000mm
0	0.00	0.00
15	11.00	8.70
30	17.40	13.80
60	27.60	21.90
120	43.40	34.30

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

120mins

AS

coopers
EST. 1983