FireMaster®

4 hour fire rated curtain

greene
fire

delivering engineered solutions

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FireMaster® is an uninsulated active fire curtain barrier that vertically protects openings in fire rated walls or can be used to completely replace non-load bearing fire rated walls. To protect means of escape or where there are combustibles in close proximity see FireMaster® Plus. For smoke tight performance see FireMaster® S.

FireMaster® Fire Curtains are designed as barriers to prevent the spread of fire in accordance with AS1530.4.

Fire Rating	Max Width	Max Height
- / 240 / -	30 metres	6 metres
- / 120 / -	30 metres	9 metres

operation
FireMaster® will remain retracted within its head box until it is automatically activated by the fire alarm signal. Once activated it will completely close the opening, creating a fire and smoke compartment. Deployment is by gravity at a controlled speed of 0.06 - 0.15m/s. The only true gravity failsafe product on the market.
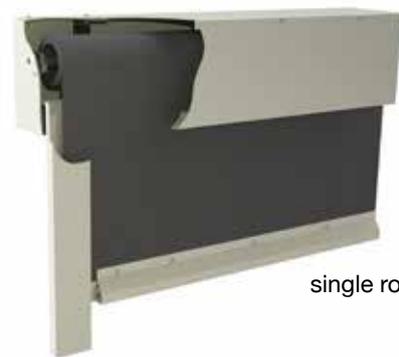
Testing is performed by a simple key switch. It is reset manually by pressing a reset button on the control panel. Automatic reset is available.
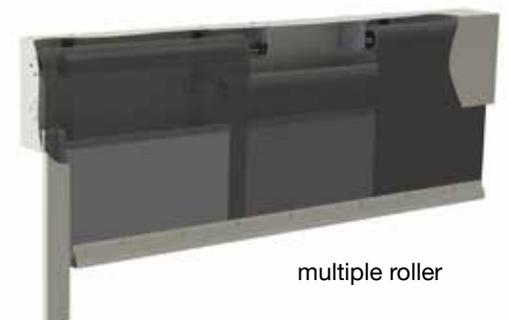
material finish
Metalwork is zinc coated mild steel. This can be painted on site or powder coated to DULUX or RAL colours.

fire curtain construction
Each roller is up to 5m wide with multiple roller construction up to 30m wide. Wide Single Roller (WSR) construction is available up to 17m wide.

single roller

multiple roller

Benefits

- Small lightweight headboxing

- Can fire protect very large open spaces without the need to heavy structural supports

- Can easily retrofit into heritage buildings

- Patented TOTAL fail-safe by gravity which means it will work when required

headbox installation options

unistrut and drop rods

I beam

face fixed

soffit fixed

side guides

Side guide channels seal the curtain fabric and the building. As fire can cause extreme positive or negative pressures, Coopers' unique fabric locking system has been developed and proven over many years to prevent fire spread and smoke leakage.

end fixed   face fixed   recess fixed
(recommended 5mm gap between side guide and building material)

fire curtain concealment

Standard bottom bar is Jumbo which is a triangular shaped bar 40mm wide. Also available operable ceiling interface systems (SLAT) in 150mm profile and 75mm stall plate.

flush fit

suspended ceiling with SLAT (self levelling access trim) for ease of maintenance through ceiling - no need for destructive access

removable, reinforced suspended ceiling with stall plate

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fire rating

Full scale and full assembly fire testing to AS1530.4 providing fire integrity up to 4 hours. Testing also includes motor testing and proving 12 operating cycles across 30 minutes fire exposure.

No need to fire protect the headbox or side guides as the complete product is fire rated. Assessment report EXOVA EWFA-RIR-21553.

Incident Irradiance (kW/m^2)

Time (min)	I_o - omm	I_{1000} - 1000mm
0	0.00	0.00
15	16.32	12.00
30	23.12	17.00
60	32.64	24.00
120	48.97	36.00

bsi. ISO 9001 Quality Management

bsi. ISO 14001 Environmental Management

bsi. AS/NZS 4801:2001 Occupational Health and Safety Management

downloads

specification

drawings pdf

drawings cad

radiation calculator

test certificate