

FireMaster®

UP TO 4 HOUR FIRE RATED CURTAIN



Revision 4.1 September

delivering engineered solutions

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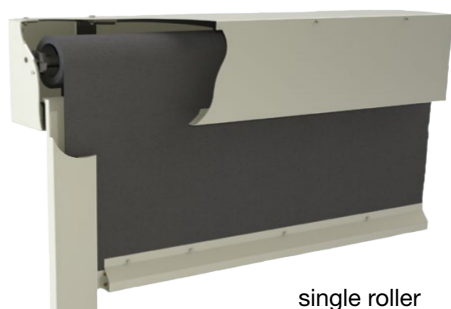
The FireMaster® fire curtain is an uninsulated active fire curtain barrier that vertically protects openings in fire rated walls or can be used to completely replace non-load bearing fire rated walls. To protect means of escape or where there are combustibles in close proximity, see [FireMaster® Plus](#).

FireMaster® fire curtains are tested to AS 1530.4, achieving an FRL of up to -/240/-. Designed with flexibility in mind, FireMaster® provides up to 4 hours of fire integrity across a range of architectural applications.

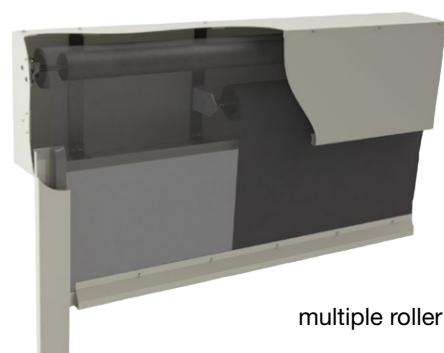
product	fire rating	min width	min height	max width	max height
FireMaster 240	- / 240 / -	900 mm	N/A	30 metres	6 metres
FireMaster 180	- / 180 / -	900 mm	N/A	30 metres	6 metres
FireMaster 120	- / 120 / -	900 mm	N/A	30 metres	9 metres
FireMaster 60	- / 60 / -	900 mm	N/A	30 metres	9 metres
FireMaster 30	- / 30 / -	900 mm	N/A	30 metres	9 metres

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

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.

Test/Reset

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.

Installation

This system is 100% installed by our expert technicians, ensuring that the system provides the best protection. We also provide service technicians to ensure the system is well maintained.

Side Guides

Side guide channels seal the curtain fabric and the building. As fire can cause extreme positive or negative pressures, our unique fabric locking system has been developed and proven over many years to prevent fire spread and smoke leakage. Side guides can also incorporate smoke seals to improve smoke containment

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Controls

Power Supply

230V AC 50Hz dedicated supply via all pole isolator

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

Material Finish

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

Sustainability

We ensure that the construction, operation, and management of our systems are conducted utilising sustainable practices. The FireMaster® Fire Curtain 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.

Incident Irradiance (kW/m²)

Time (min)	I ₀ - 0mm	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

Benefits

- Small lightweight headboxing
- Can fire protect very large open spaces without the need to heavy structural supports
- Can easily retrofit into heritage buildings
- Can replace non-load bearing walls
- Patented TOTAL fail-safe by gravity which means it will work when there is no power.
- Low energy usage reducing emissions and costs
- Tested to be used on various flooring materials
- Made with sustainable materials





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