

firemaster® S

vertical fire and smoke containment curtain



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delivering engineered solutions

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The FireMaster® S Active Fire Barrier is an automatic fire curtain which comprises technologically advanced fire-resistant fabric roller barriers encased in a compact steel housing.

The unique construction housing and additional tested smoke seals provide a smoke tight solution fully tested to AS1530.7(2007).

smoke rating

The complete product is tested to AS1530.7 (2007). Standard Reference Conditions (STP) @ 200°C and 25Pa after exposure for 30 minutes. Assessment report EXOVA BWA-RIR-2252.

Fabric	0.5m ³ /m ² /hr
Side Guides and Headbox	3.6m ³ /m ² /hr
Threshold	7.3m ³ /m ² /hr

installation

This product is 100% 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 product that requires specific development based on your requirements.

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/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

- Provides both fire separation and smoke containment
- Smoke tight construction with tested performance to AS1530.7
- smoke performance has been tested when exposed to 200°C for 30 minutes



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barrier construction

Single roller construction only. Each roller is up to 30 meters wide and has a minimum of 70mm diameter with a wall thickness of not less than 1.5mm. Rollers wider than 5 meters are wide single rollers incorporating Wide Single Roller (WSR) head boxing.

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.

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. Smoke seals are incorporated into the side

material finish

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



FireMaster S
Construction

operation

FireMaster® S 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.





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Melbourne

Greene Fire Pty Limited
123 Woodlands Drive
Woodlands Industrial Estate
Braeside, VIC, 3195
P (03) 8526 1990
www.greenefire.com.au
ABN: 50 122 435 081

unit 12



Sydney

Greene Fire Pty Limited
Unit 2, 7-11 Parraweena Road
Taren Point, NSW, 2229
P (02) 9526 3100
www.greenefire.com.au
ABN: 50 122 435 081



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