FireMaster® Plus

create tenable zones with low radiant heat fire curtain

greene
fire

delivering engineered solutions

FireMaster® Plus

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The revolutionary FireMaster® Plus fire curtain incorporates a unique intumescent fabric that was developed and produced by Coopers Fire. It uses a unique rapid reaction graphite flake which expands to over 20 times its original thickness on exposure to heat and fire, creating an insulating carbon barrier to heat.

FireMaster® Plus reduces radiant heat to under 2.5 kilowatts per square meter for over 15 minutes. You can escape safely just a few inches away from a 600°C fire.

Fire Rating	Max Width	Max Height
- / 120 / 120*	30 metres	7.5 metres

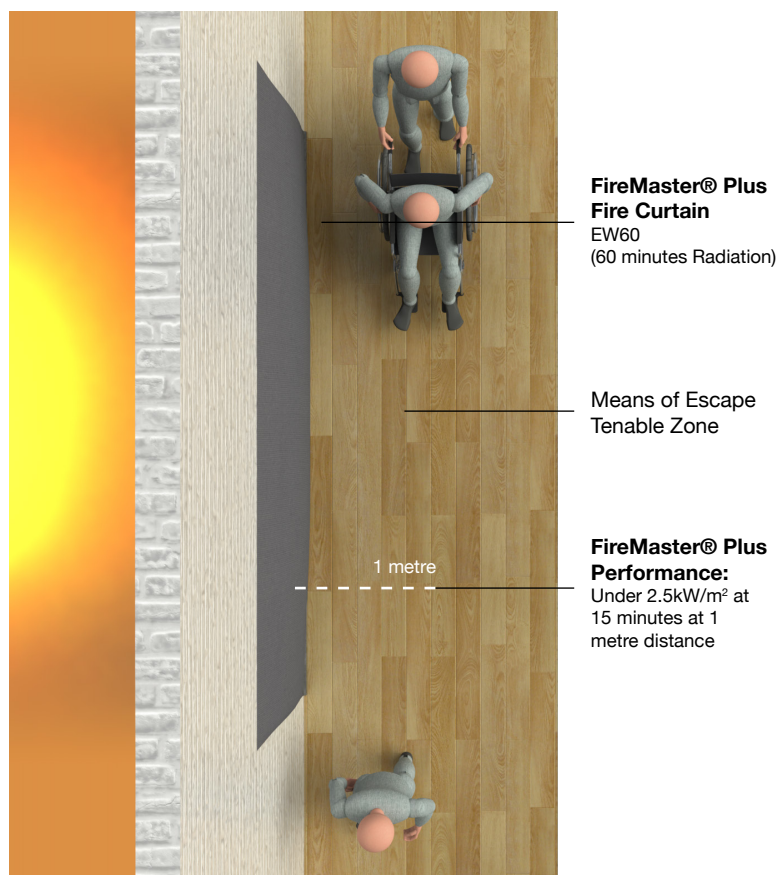* = achieves -/120/120 when measured 50mm from the curtain surface

operation

FireMaster® Plus 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.

FireMaster® Plus Fire Curtain
EW60
(60 minutes Radiation)

Means of Escape Tenable Zone

1 metre

FireMaster® Plus Performance:
Under 2.5kW/m² at 15 minutes at 1 metre distance

fire rating

Full scale and full assembly fire testing to AS1530.4 providing fire integrity of 2 hours with low radiant heat. 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-22049.

Incident Irradiance (kW/m²)

Time (min)	I_o - 0mm	I_{1000} - 1000mm
0	0.00	0.00
15	3.07	2.26
30	4.65	3.42
60	7.28	5.35
120	11.59	8.52

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 product that requires specific development based on your requirements.

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fire curtain 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 4 meters are wide single rollers incorporating Wide Single Roller (WSR) head boxing.
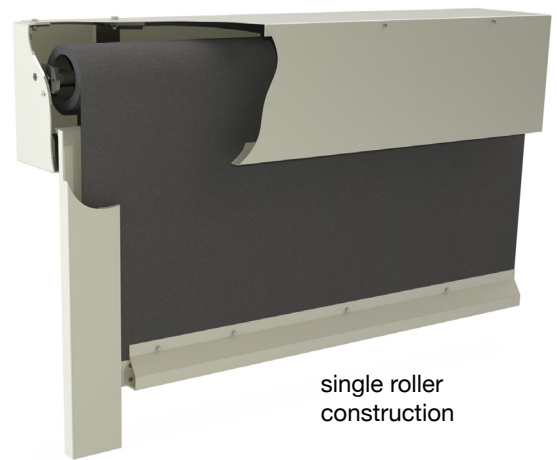
fire curtain concealment

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.

material finish

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

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.

single roller construction

benefits

- Provides insulating zone performance
- Does not require sprinklers or drenchers to reduce heat
- Can be used near combustibles and means of egress where insulated barriers are normally used. Pending fire engineered solution
- Compliant to AS 1530.4
- Light weight construction
- Tested to be used over multiple flooring surfaces
- Can replace non-load bearing fire walls
- Supply and install 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

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

unit 12

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