

vii® fire iZone

'plug and play' insulated fire curtain system



revision 5.0 November 2019

delivering engineered solutions

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The iZone product incorporates our intumescent fabric used in the FireMaster® Plus product. The intumescent fabric expands when exposed to temperatures in excess of 160°C, forming a carbonaceous char of organic matter and consequently provides a thermal insulating barrier.

The thermal insulating barrier creates a tenable zone allowing occupants of a building to safely pass the curtain to safety with a fire burning the other side of the fire curtain.

Fire Rating	Max Width	Max Height
- / 120 / 120*	2.5 metres	2.5 metres

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.

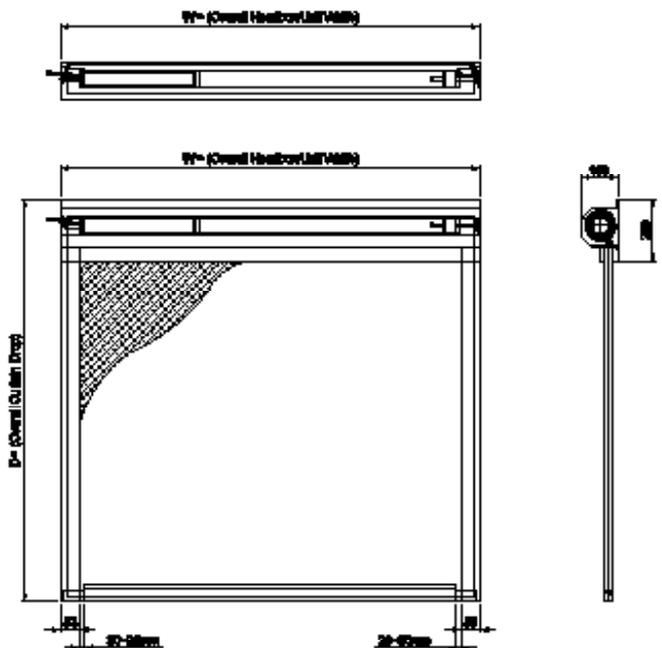
No need to fire protect the headbox or side guides as the complete product is fire rated. Assessment report EXOVA EWFA-RIR-22049.

Incident Irradiance (kW/m²)

Time (min)	I ₀ - 0mm	I ₁₀₀₀ - 1000mm
0	0.00	0.00
15	6.01	4.41
30	9.34	6.85
60	18.65	13.68
120	28.73	20.73

fabric

The curtain material is a continuous filament glass fibre and stainless steel wire fabric with fire retardant intumescent graphite flake silicone coating. It is 2mm thick, and weighs approximately 1.64kg/m² in its finished form.



barrier construction

When supplied the Vii® Fire is completely assembled ready to direct fix to the building structure. Both the face fix and reveal fix boxing and guides have external fixing locations for ease of installation. No assembly on site required. An optional sill can be supplied for window applications.

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installation

This product can be installed by our expert technicians, ensuring that the product is working to its maximum capabilities. However, this product is designed so that you can unbox it and place it at your desired location yourself, saving both time and money. We also provide service technicians which ensure that the system is well maintained, ensuring that the system is always at 100%.

test / reset

Test is by simulated alarm signal or using the test function on the control panel. By default Vii® Fire will automatically reset after the alarm signal is cleared.

material finish

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

operation

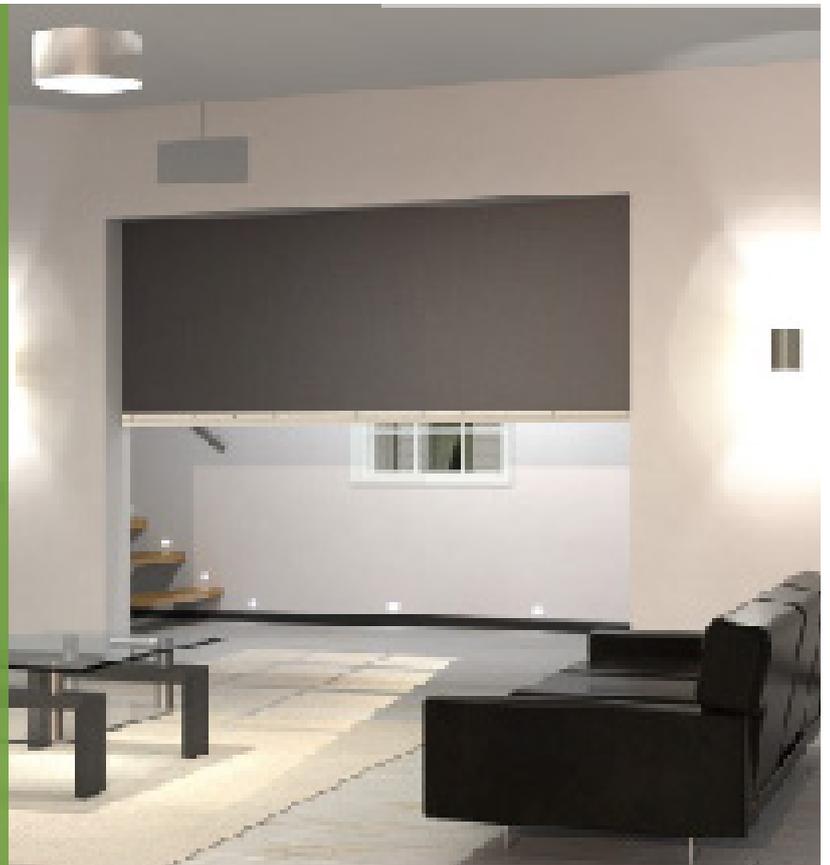
The fire curtain will remain retracted within its headbox until it is automatically activated by the fire alarm signal. Upon activation the fire curtain will deploy by gravity to its fire operation position, completely closing the opening and creating a fire compartment. Once the fire alarm signal is restored the Vii® Fire iZone Fire Curtain is manually reset by pressing the reset button on its controller. This can be amended to automatic reset if requested.

controls

The controls are 'plug and play' and are pre-commissioned with all additional functionality available in a standard offering. A cheaper, alarm input only control panel is also available.

benefits

- Achieves radiated heat not exceeding 10kw/m² for 30 minutes
- 'Plug and Play' pre-commissioned system
- Preassembled system allows for fast installation
- Can be used near combustibles and means of egress where insulated barriers are normally used. Pending fire engineered solution
- Light weight and compact solution is more aesthetically pleasing than shutter or doors
- Provides design freedom
- Tested to be used on a variety of flooring surfaces
- Provides insulating zone performance





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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



delivering engineered solutions

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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