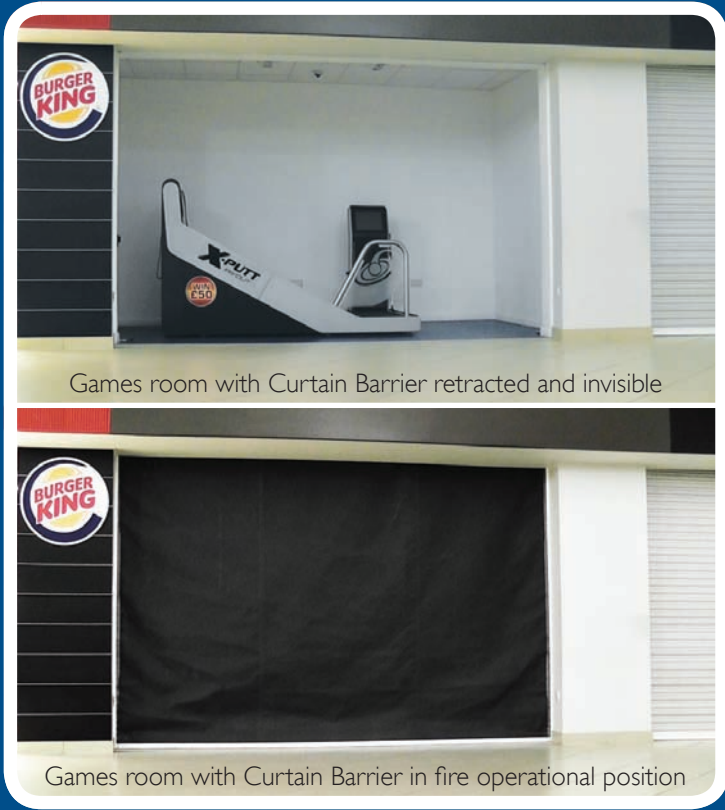




# FireMaster<sup>®</sup>

## AUTOMATIC FIRE CURTAINS



Games room with Curtain Barrier retracted and invisible

Games room with Curtain Barrier in fire operational position

# FireMaster<sup>®</sup>

# Plus<sup>2</sup>

INSULATING ZONE / HEAT PROTECTION FIRE CURTAINS

## MEANS OF ESCAPE PROTECTION

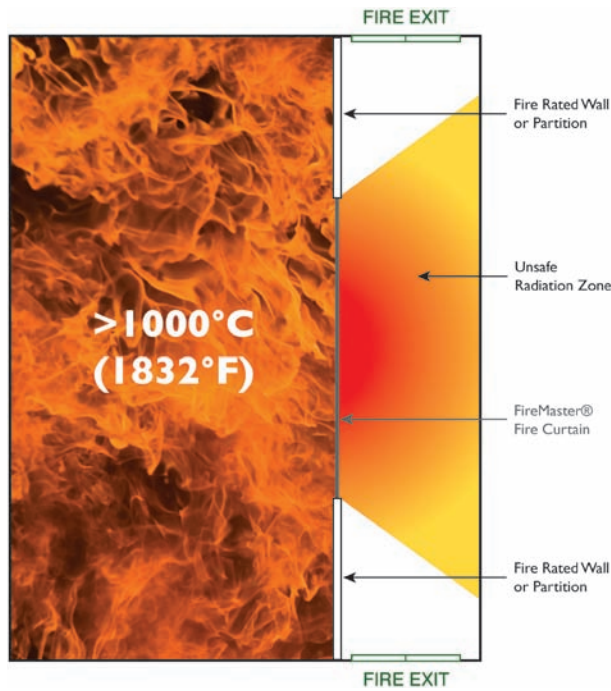


Large Warehouse Application

- Fire Tested after 20 year simulated life cycle
- BS PAS 121 and BS 8524-1 Compliant

- 120 minutes Insulating Zone Performance
- British European Standard Classified as EI20 EW60

# FIREMASTER® PLUS<sup>2</sup> FIRE CURTAINS BARRIERS



## HOW DO THEY WORK?

The revolutionary FireMaster® Plus<sup>2</sup> Curtain Barrier is a vertical rolling barrier, encased in a compact steel housing. It remains invisibly retracted until activated by an alarm, detector signal or any fault, when it descends under total controlled gravity fail-safe to its fire operational position.

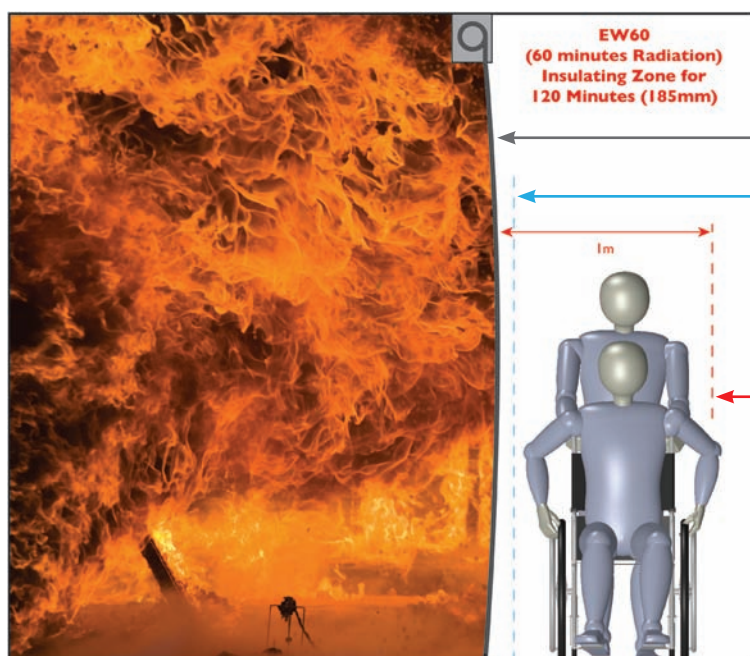
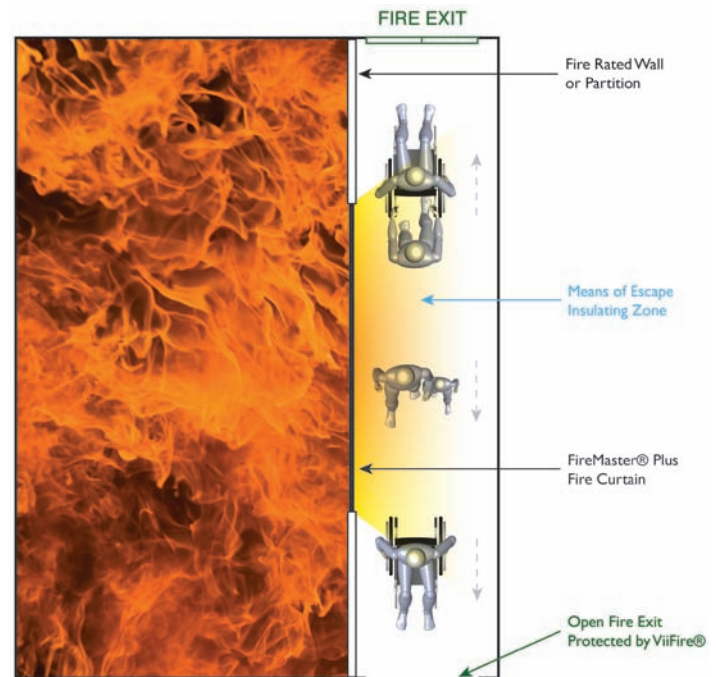
## WHAT IS FIREMASTER® PLUS<sup>2</sup>?

- it is an exclusive development woven and produced by Coopers themselves, using 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<sup>2</sup> reduces radiant heat to under 10 kilowatts per sq mtr for over 120 minutes. You can escape safely just a few inches away from a +600°C fire (over 3 times the heat of a domestic oven).
- FireMaster® Plus<sup>2</sup> stops fire for 180 minutes.
- FireMaster® Plus<sup>2</sup> expands twice as fast and double the thickness of any other product.

## WITH FIREMASTER® PLUS<sup>2</sup> YOU CAN:

- Remove walls and partitions to create wide open spaces
- Remove fire doors to make free flowing corridors
- Remove lift and stair lobbies
- Protect means of escape
- Protect non fire rated glass – save ££££
- Increasing valuable floor space - save ££££

**FireMaster® Plus<sup>2</sup> shuts the 'door' on fire and heat and opens the 'door' to endless design, improved yield and cost saving opportunities.**



FireMaster® Plus<sup>2</sup> Fire Curtain

Maximum Temperature allowed:  
180°C at 50 +/- 5mm from the fabric surface (with deflection allowance).

FireMaster® Plus<sup>2</sup> Performance:  
83°C after 2 hours!

Maximum Radiant Heat allowed:  
15kW/m<sup>2</sup> at 1m distance.

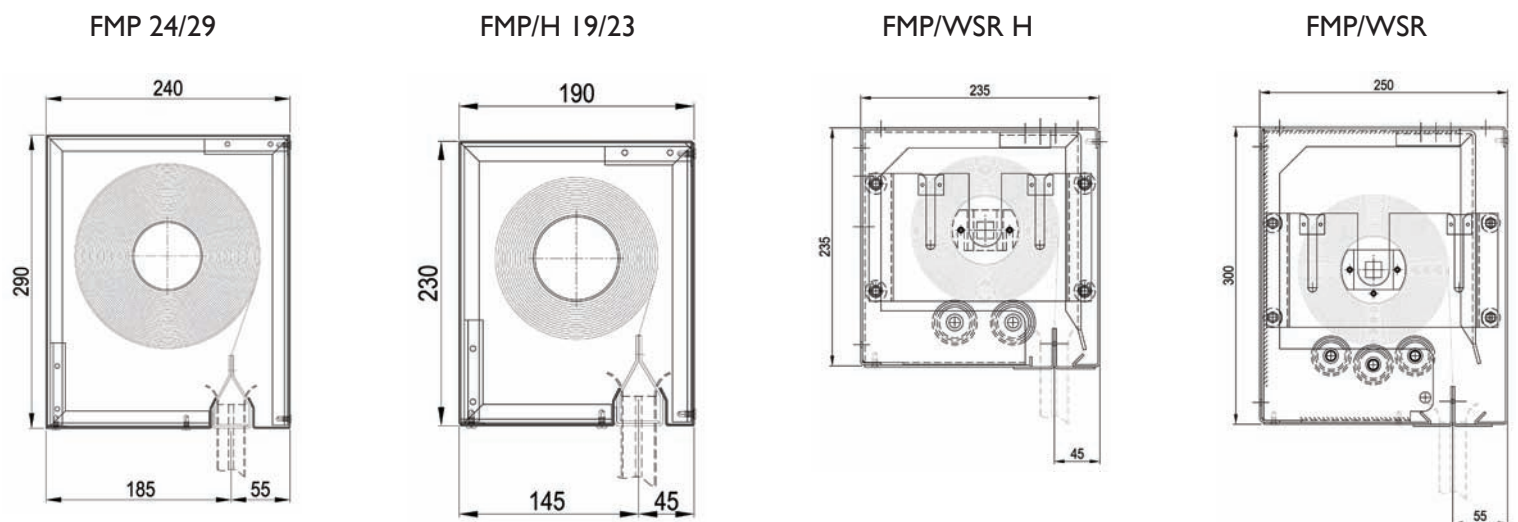
FireMaster® Plus<sup>2</sup> Performance:  
Under 5kW/m<sup>2</sup> at 20 minutes.

# FIRE CURTAINS - SOME IMPORTANT LIFE SAFETY QUESTIONS & ANSWERS:

Is the Fire Curtain Barrier Certified by a UKAS Certification Body?	FireMaster® <b>Plus</b> <sup>2</sup> is the only product Certified by a UKAS accredited Body.
Is the Fire Curtain Barrier BS PAS 121 and BS 8524-1 Compliant ?	FireMaster® <b>Plus</b> <sup>2</sup> has to comply – it's Certified!
Does the Fire Curtain Barrier have BS & EN Classification <b>E120 EW60</b> ?	FireMaster® <b>Plus</b> <sup>2</sup> has to – it's Certified!
Is the product you are buying, the product that was tested?	FireMaster® <b>Plus</b> <sup>2</sup> has to be – it's Certified! Coopers weave and coat our own fabrics. Coopers manufacture our Controls in our UK factory. Coopers manufacture our Motors in our UK factory.
Is the Fire Curtain Barrier accepted and approved by Building Control?	FireMaster® <b>Plus</b> <sup>2</sup> has to be – it's Certified!
Does the Fire Curtain Barrier meet all Regulatory Requirements?	FireMaster® <b>Plus</b> <sup>2</sup> has to – it's Certified!
Will your Fire Curtain Barrier still work in the future?	FireMaster® <b>Plus</b> <sup>2</sup> has to – it's Certified! Only FireMaster® <b>Plus</b> <sup>2</sup> has been fully Fire tested AFTER 10-20 year Durability and Reliability Life Cycle
What is the background and reliability of your Supplier?	Andrew Cooper patented the Fire Curtain in 1981 Coopers Fire were established over 26 years ago. Coopers Fire is still owned by the same family.

## DO YOU KNOW YOU COULD RISK YOUR INSURANCE(S) AND BE PROSECUTED FOR CORPORATE OR PERSONAL MANSLAUGHTER?

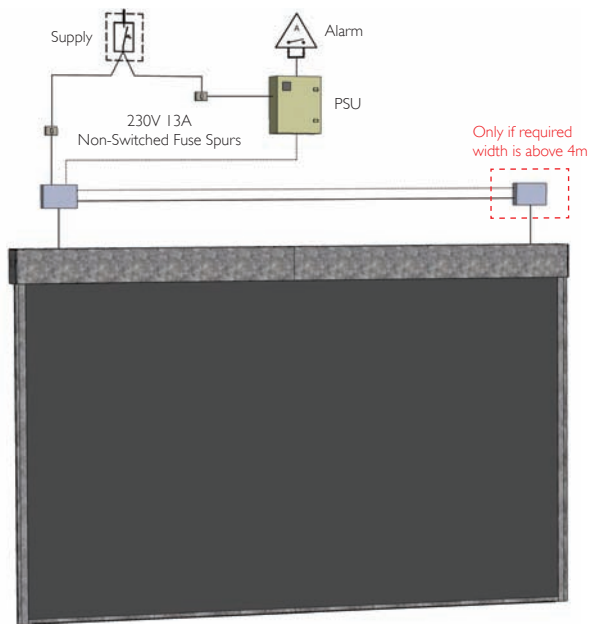
### SIZES



Model No.	Maximum Curtain Width **	Maximum Curtain Drop **
FMP 24/29	4 metres	3 metres
FMP/H 19/23	4 metres	4 metres
FMP/WSR H	10 metres	4 metres
FMP/WSR	17 metres	6 metres

\*\*These are our maximum sizes for this particular product however Coopers Fire has a design solution for any size requirement. For queries about special size requirements, please contact our technical department.

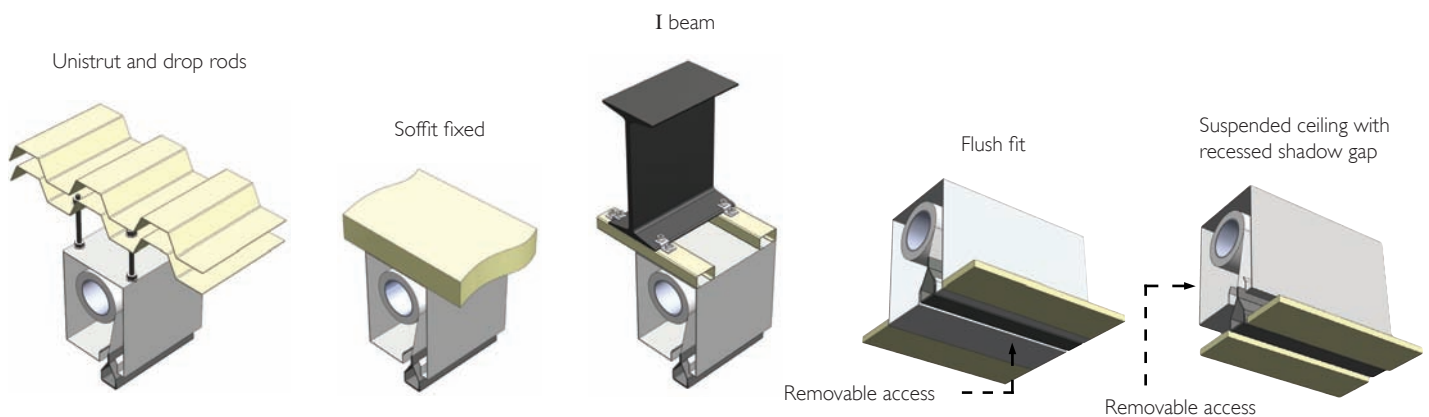
## CONTROLS



## CONTROLS SPECIFICATION

Power Supply:	230V AC 50Hz dedicated supply via 13Amp un-switched fuse spur
Battery:	2 x 12V 12A/h lead acid batteries
Alarm Signal:	Normally closed volt-free contacts. Open on activation
Test Facility:	Key switch and Reset button on PSU
Display:	Power On, Alarm Active and Alarm Off
Power Supply Size:	400mm(w) x 500mm(h) x 210mm(d)
Motor Control Unit Size:	300m(w) x 200mm(h) x 80mm(d)
Total Gravity Fail Safe:	<b>BSi PAS 121:2007 states:</b> "Active fire curtain barrier assemblies shall gravity fail-safe to their fire operational position in a controlled manner when <u>all consumable primary and auxiliary power sources are removed, in the event of wiring or system corruption, or any combination thereof.</u> "

## INSTALLATION & ACCESS



## PRODUCT SPECIFICATION

The FireMaster<sup>®</sup> Plus<sup>2</sup> Fire Curtain Barrier complete system is:

- Certified by UKAS Accredited Certification Body.
- Compliant to BS PAS 121:2007 and is the only system fully tested for this.
- Compliant to the requirements of BS 8524 – 1 Draft British Standard.
- Classified as EI20 EW60 Sa C1 in accordance with BS EN 13501-2:2003 and BS EN 14600:2005.
- Tested for fire propagation to BS 476-6:1989 + A1 2009.
- Tested for surface spread of flame to BS 476-7:1997.
- Achieves National Class '0' in accordance with A13(b) of Approved Document B (Volumes 1 & 2) 2006 Edition 'Fire Safety' to England & Wales Building Regulations 2000.
- The only **Total** Gravity Fail-Safe System required by BS PAS 121 and BS 8524.

Coopers Fire Ltd reserves the right to change product specifications that incorporate any improvements and upgrades to both electrical and mechanical components without prior notification.

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INTERNATIONAL FIRE  
CONSULTANTS LTD



Assessed to  
ISO 9001:2008  
FM 22356