

# FIREMASTER® SUPERPLUS™

EI INSULATED FIRE CURTAIN

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EI INSULATED FIRE CURTAIN WITH:  
EI120 INSULATION, E120 INTEGRITY AND EW120 IRRADIANCE  
PROVEN WATER SPRINKLER TECHNOLOGY



# SUPERPLUS™ EI120 INSULATED FIRE CURTAIN

The FireMaster SuperPlus combines Coopers advanced fabric technology with water sprinkler equipment. FireMaster SuperPlus has achieved up to 2 hours insulation and 2 hours integrity and performs in accordance to BS EN 1634-1:2000.



## PRODUCT DESCRIPTION

FireMaster SuperPlus has been tested under CIF test report Chilt/RF08087, for prescriptive insulation performance for Insulation EI120, Irradiance EW120 and Integrity E120 and performances in accordance with BS EN 1634 1:2000.

The FireMaster SuperPlus is a fire curtain used in conjunction with sprinklers or drenchers to cool the surface of the curtain thus reducing the ambient temperature on the safe side of the curtain when a fire is burning on the opposing side.

The FireMaster SuperPlus fire curtain uses the same Coopers standard fabric used on the FireMaster fire curtain and when combined with the cooling effect of the water from the sprinklers creates an insulation barrier which can be passed safely as a means of escape.

Product Application:

- Protect means of escape
- Insulation compartmentation
- Protect near combustibles
- Protect non-fire rated glass
- Basement car parks

A test specimen was constructed to suit the full size 3 metre x 3 metre furnace opening with the tried and tested Coopers unique overlapping system which enables larger installations of unlimited widths, with up to 3 metres height.

The test was carried out in accordance with the requirements of BS EN 1363-1:1999 by attaching thermocouples in the required locations to the unexposed face of the curtain.

A proprietary water sprinkler system consisting of a water pipe and window type sprinkler heads spaced at 840mm centres (3 units used in the test) was installed 300mm above the perpendicular surface of the fabric. Water flow rate is calculated at 17L/min/m<sup>2</sup>.

For the duration of the test the temperature of the thermocouples on the unexposed face, as required in BS EN 1363-1:1999, did not exceed 100°C.

For the duration of the test Irradiance (Radiated Heat / Total Heat Flux) did not exceed 3kW/m<sup>2</sup> therefore the specimen did not exceed the maximum level of 15kW/m<sup>2</sup> according to BS EN 13501 2:2007.

## KEY INFORMATION

### RATING

EI120, EW120, E120

### PRODUCT STANDARDS

AS, BS, EN

### STANDARD

BS 476-22.6, BS 5234-2,  
BS EN 12605,  
BS EN 13501-2,  
BS EN 1363-1,  
BS EN 1363-2,  
BS EN 1634-1,  
BS EN 1634-3,  
BS EN 949,  
BS EN ISO 14001,  
BS EN ISO 9001

### SPECIAL FEATURES

Works with Sprinkler System.  
The sprinkler used has a minimum operating pressure of 7 psi (0.5bar) and is rated to 175 psi (12 bar) water working pressure.

## QUALITY ASSURANCE AND CERTIFICATION



## MEMBERSHIP



## CPD ACCREDITATIONS



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