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

coopers
EST. 1983

LEADING THE WAY IN FIRE PROTECTION

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.

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

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 27L/min/m^2.

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 3kWm^2 therefore the specimen did not exceed the maximum level of 15kW/m^2 according to BS EN 13501 2:2007.

FM 22356 LQR 4007272

CPD ACCREDITATIONS

For information, to get a quote or to book a CPD workshop
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Coopers Fire Pty has a policy of continuous product improvement. As such we reserve the right to change design and specifications without prior notice. Please check our website for the latest information.

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