

Data sheet: Horizontal Fire Series HC1 (HC60) E180/W20



BLE Smoke and Fire Curtains are now pleased to have designed and developed a horizontal fire curtain as part of its wide range of curtains. The importance of fire safety and the use of vertical curtains within buildings have increased and while these are meeting the requirements of the building it was limiting and compromising on a how a building can be designed without meeting the fire regulations and having large cost implications.. This in turn led BLE Smoke and Fire Curtains to introduce a Horizontal Fire Curtain system which offers many benefits / features, not limited to but including:

- A system which not only offers benefits to the designer but also the end user by reducing overall construction and maintenance costs in comparison to other systems.
- The applications for a horizontal curtain include open voids in atriums for design and light as well as stairwells, sky lights and many more.
- The horizontal fire curtain can be installed in a number of ways using the extensive range of brackets and concealing options and therefore offering further design flexibility.
- Does not compromise on performance, and has been tested by an approved UK test centre.

**Technical Data**

Integrity (E)	180 minutes up to 1000°C
Radiation (W)	29 minutes < 15Kw/m2
Curtain Fabric	C41000WK wire inserted woven glass fibre fabric (0.45mm thick)
Maximum size	6000 mm (W) x 6000 mm (L)
Standard head box	1.2mm thick Galvanised Steel
Standard head box size	Type 1 – 230mm (W) x 230mm (H) for curtain length <=6m.
Standard guide material	2mm thick Galvanised steel
Standard guide	A. Face fixed
Install options	B. Recessed into structure
Standard bottom tray material	1.2mm thick Mild Steel
Motor	24V DC,
Standard descend speed	Synchronised at 0.08 m/s
Standard operation	Motor operation with dual power supply
Product Performance	To meet the requirements of applicable regulations
Guarantee / Warranty	12 months from pickup / delivery / installation as applicable
Compatible control panelw	BLE Smoke and fire curtains Group Control Panel (GCP)

Compliance to regulations

In line with BLE Smoke & Fire Curtains considerable investment in global testing, the HC1 series was put through its paces in a UK testing facility. The result was a fully certified 180 minute integrity curtain retaining all the advantages of the BLE system; excellent build quality, excellent design, backward compatibility and many control and interface options. Classified to E180.

Regulation	Description
BS EN 1634-1:2008	Fire Resistance Performance Criteria
BS EN 1363-1:2012	Fire Resistance Test
BS EN 1363-2:1999	Fire Resistance Test
BS 8524-1:2013	Reliability, Response Time and Durability Tests (Annex D)

Control options

The system can be used with our existing controls range. For full details, please refer to our Group Control Panel (GCP) Datasheet or contact a BLE Smoke and curtain representative. Some of the options which are offered include (these may be limited dependent on fire strategy): Obstruction Sensor, Audio / Visual alert, BMS, Emergency Retract and more.