



MAKING BUILDINGS SAFER

Smoke & Fire Curtains

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DATASHEET: Accordion Fire Series AC1 (SD240A)



BLE Smoke & Fire Curtains recognised that the use of fire curtains in the construction industry has increased and while the standard range of fire curtains met the performance requirements it was taking up space as well as effecting the overall aesthetics. This in turn led BLE Smoke & Fire Curtains to develop and design a system which offers the following benefits / features:

- A system which eliminates the use of corner posts / columns therefore the creation of more open space as well as saving space.
- More aesthetically pleasing, the fire curtain can be designed to a variety of shapes, in plan view, with a number of install options using the extensive range of brackets and concealing options and therefore offering further design flexibility.
- Does not compromise on performance and is compliant to applicable regulations.
- A motor and roller system which offers controlled gravity descent

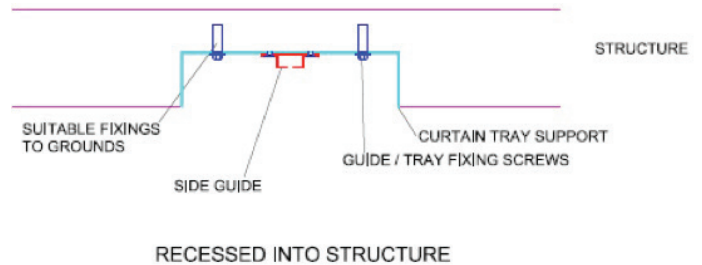
Technical Data

| | |
|---------------------------------------|---|
| Integrity (E) | 180 minutes up to 1000°C |
| Curtain Fabric | C41000WK wire inserted woven glass fibre fabric |
| Standard head box | 1.2mm thick Galvanised Steel |
| Standard head box size | Type 1 - 300mm (W) x 280mm (H) for curtain drop ≤ 3m. Type 2 300mm (W) x 400mm (H) for curtain drop >3m and ≤ 6m |
| Standard guide material | 2mm thick Galvanised steel |
| Standard guide Install Options | A. Face fixed B. Recessed into structure |
| Standard bottom tray material | 1.2mm thick Mild Steel |
| Motor | 24V DC, 3100 rpm |
| Standard descend speed | Synchronised at 0.13 m/s |
| Standard operation | Gravity Fail Safe with controlled descend |
| Product Performance | To meet the requirements of UL10D |
| Guarantee / Warranty | 12 months from pickup / delivery / installation as applicable |
| Compatible control panel | BLE Smoke and fire curtains Group Control Panel (GCP) |

Control Options

For full details, please refer to Group Control Panel (GCP) Datasheet or contact a BLE Smoke and Fire curtain representative. Some of the options which are offered include (these may be limited dependent on fire strategy): Two Stage Descent, Delayed Descent, Obstruction Sensor, Audio / Visual alert, BMS, Emergency Retract and more.

Isometric drawing of a typical example



Compliance to regulations

In line with BLE Smoke & Fire Curtains considerable investment in global testing, the ACF series was put through its paces with various testing facilities. 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.

| Regulation | Description |
|--------------|---|
| UL10D | Fire protective curtains classification |
| UL864 | Standard for Control Units and Accessories for Fire Alarm Systems |