

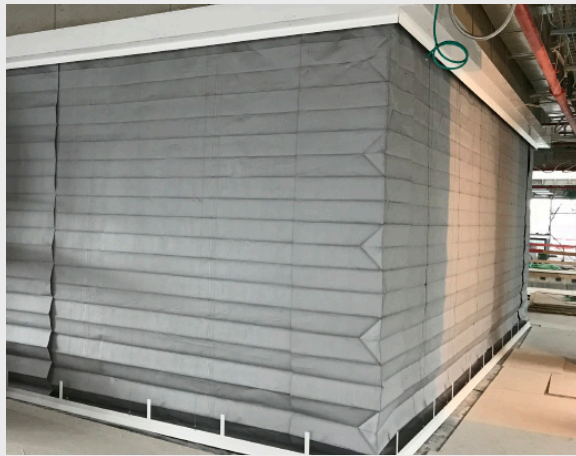
BLE Smoke & Fire Curtains

SPECIFICATION - AC1 ACCORDION (UL STANDARDS)

OVERVIEW

The innovative design of the BLE Accordion Fire Curtain enables it to be used in a variety of building applications, e.g. stairwells, escalators and atria, without the need for intrusive columns or corner posts and therefore maintaining open plan spaces.

The Accordion curtain uses a clever fabric folding technique that allows it to stack neatly in the headbox when not in use and unfold perfectly when deployed. It can be configured in a variety of closed and open shapes such as squares, L-Shapes and U-Shapes as well as faceted circles and curves.



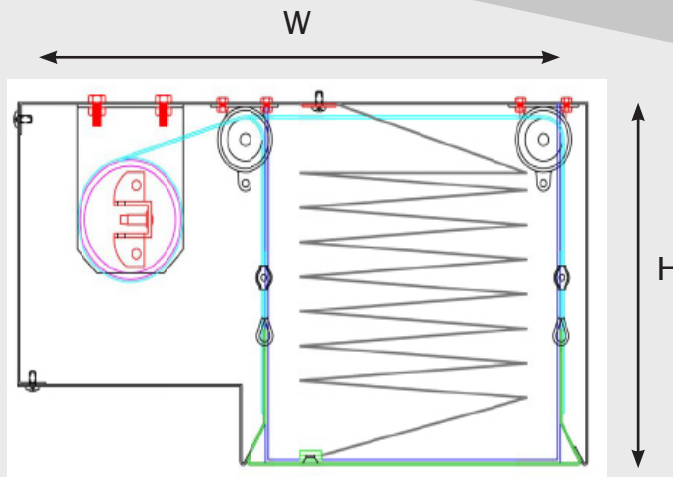
With fire testing to UL10D, electronic control systems tested to UL864 and an assessment for compliance with the air leakage requirements of UL1784, when in a closed configuration, the Accordion Curtain is fully compliant with UL Standards.

PRODUCT PERFORMANCE

Model	Single Roller	Multi Roller	Max Width (M)	Max Drop (M)	Classification	Test Standard	Certificate / Reports
Accordion AC1	Yes	Yes	45.0	5.0	120 mins fire rating in gypsum 180 mins fire rating in masonry	UL 10D UL 1784 UL 864	20120808-R26410

Integrity (E)	180 minutes up to 1000°C
Curtain fabric	C41000WK wire reinforced woven glass fibre fabric
Standard headbox	1.2mm thick Galvanised Steel
Standard headbox size	Type 1 425mm (W) x 230mm (H) for curtain drops less than 3m Type 2 425mm (W) X 260MM (H) for curtain drop greater than 3m & less than 6m
Standard guide material	2mm thick Galvanised Steel
Standard guide install options	A. Face Fixed B. Recessed into structure
Standard bottom tray material	1.2 mm thick Mild Steel
Motor	24V DC, 3100 rpm
Standard descent speed	Synchronised at > 0.15 m/s (6" /s)
Standard operation	Gravity Fail Safe with controlled descend

HEADBOX SIZING



CONTROL OPTIONS

Depending on the fire strategy control options include Two Stage Descent, Delayed Descent, Audio Visual alert, Obstruction Sensors and connection to building management systems (BMS). For full details, please refer to Group Control Panel (GCP) Datasheet or contact BLE Smoke & Fire curtains.

COMPLIANCE TO REGULATIONS

Standard	Description
UL10D	Fire protective curtains testing
UL864	Control Units and Accessories for Fire Alarm Systems
UL1784	Air leakage testing

WARRANTY

A manufacturer's warranty is provided for a period of one year. Exclusions may apply if any element is sublet to an unauthorised party.

CONTACT

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