



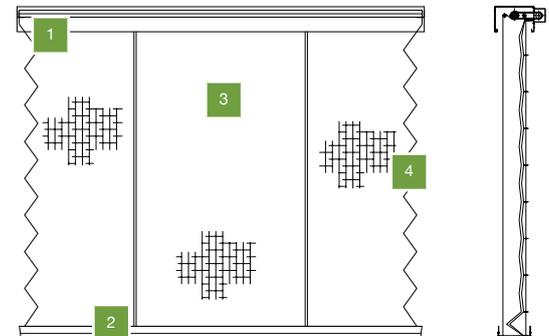
FireMaster® Concertina

Fire Rating	- / 240 / -
Max Width	UNLIMITED
Max Height	6 metres
Number of Corners	UNLIMITED
Corner Angles	60° – 180°

FireMaster® Concertina

FireMaster® Concertina™ is a fire curtain that protects WITHOUT the need for CORNER POSTS giving architects, consultants and specifiers a whole new way to approach buildings design. The FireMaster® Concertina™ offers up to 4 hour fire integrity using our revolutionary, tested folding system which can form almost any shape.

The complete assembly of our FireMaster® Concertina™ remains concealed in the ceiling space until it is required to deploy in a fire event. Need reduced irradiance or insulation – see FireMaster® Plus Concertina.



- 1 Headbox
- 2 Bottom Tray- Incorporating Slats
- 3 Fabric Curtain
- 4 Corner Fold Fabric

Test / Reset

Test is performed by a simple key switch operator. Its reset manually by pressing the reset button on the control panel. Automatic reset is available.

Fabric

The curtain material is a satin weave fibreglass fabric with a silver polyurethane coating on both sides and integral stainless wire. It is 0.54mm thick, and weighs approximately 690g/m² in its finished form.

The fabric is constructed in strips forming a pleated design. These are stitched together horizontally. The corners are stitched and folded to create any angle from 60° to 180° incorporating a fabric pocket to join the fabrics together forming one continuous barrier.

Fire Rating

Up to 4 hours fire integrity to AS1530.4. Assessment report EXOVA EWFA-RIR-26822

Incident Irradiance (kW/m²)

Time (mins)	I ₀ - 0mm	I ₁₀₀₀ - 1,000mm
0	0.00	0.00
20	8.40	5.80
40	11.90	8.40
60	15.20	10.50
120	21.70	15.00

Barrier Construction

The barrier assemblies shall be constructed from pleats. The material keeps the memory of the folds as manufactured. As the bottom tray deploys, these pleats unfold. During retraction of the curtain the pleats will neatly fold back to their stored position

Material Finish

Metalwork is zinc coated mild steel. This can be painted on site or powdercoated to RAL colours.

Operation

The active fire curtain barrier assemblies will remain retracted within its headbox until it is automatically activated by the fire alarm signal. Upon activation the active fire curtain barrier assemblies will deploy by gravity to its fire operation position, completely closing the opening and creating a fire compartment.

Benefits

- Does not require any visible support posts at the corners
- Have unlimited spans and drops of 6m with a small lightweight housing
- Can be installed as a polygon, triangle, 'L' shaped right angles, curves, 'Z' shapes or even in a complete circle. Almost any other shape you may desire
- Act as a fire separating element within the building design to prevent the passage of smoke, heat, superheated gases and fire for a predetermined period of time



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