



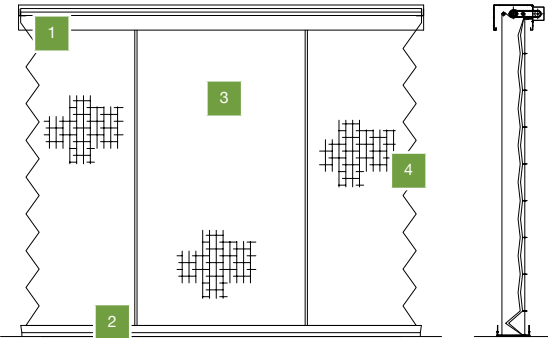
FireMaster® Concertina Plus

Fire Rating	- / 120 / -
Max Width	UNLIMITED
Max Height	4.5 metres
Number of Corners	UNLIMITED
Cotrner Angles	60° – 180°

FireMaster® Plus Concertina

FireMaster® Plus Concertina™ would be used in preference to the standard FireMaster® Concertina™ where an insulated barrier is preferred or required. The unique Plus fabric provides significantly lower irradiance (approximately 4 times less) through the fire curtain barrier and is a preferred option in areas where there is expected to be egress or combustibles in close proximity to the fire curtain location.

The full benefits of the FireMaster® Concertina™ are achieved with the Plus model. The corners are still required to be formed using the standard FireMaster fabric.



- 1 Headbox
- 2 Bottom Tray- Incorporating Slats
- 3 Fabric Curtain - Low Radiant Heat
- 4 Corner Fold Fabric - Standard FireMaster®

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.

Test / Reset

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

Advantages

- Low radiant heat performance to the majority of the fire barrier
- Does not require any visible support posts at the corners
- Has unlimited length and drops up to 4.5m with a small lightweight housing

Fabric

The curtain material is a continuous filament glass fibre and stainless steel wire fabric with fire retardant intumescent graphite flake silicone coating. It is 2mm thick, and weighs approximately 1.64kg/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 2 hours fire integrity to AS1530.4.
Assessment report EXOVA EWFA-RIR-26822

Time (mins)	Incident Irradiance (kW/m ²)	
	I ₀ - 0mm	I ₁₀₀₀ - 1,000mm
0	0.00	0.00
15	3.07	2.26
30	4.65	3.42
60	7.28	5.35
120	11.59	8.52



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