



CERTIFICATE OF APPROVAL

No CF 5433

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
FC2 Fire Curtains

TECHNICAL SCHEDULE
**TS 30 – Industrial Type Fire
Resisting Doorsets**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 29th June 2016
Revised: : 22nd September 2022
Valid to: 17th August 2026



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FC2 Fire Curtains

1. This approval relates to the use of Fire Curtains in providing a fire resistance performance of up to 240 minutes integrity and, for single roller assemblies only, 30 or 60 minutes radiation, as defined in BS EN 1634-1: 2018. The scope of approval is summarised as follows:

Continuous Barriers / Single Roller

Integrity Performance (mins)	Maximum Height (metres)	Maximum Width (metres)
60	8	7
120	7	7
180	6	7
240	5	7

Radiation Performance (mins)	Maximum Height (metres)	Maximum Width (metres)
30	8	7
60	2.5	2.2

Overlapped Barriers / Multiple Rollers

Integrity Performance (mins)	Maximum height (metres)	Minimum Curtain Overlap (mm)	Maximum Width (metres)
240	5	600	No restriction
	6	1000	

All dimensions quoted in the above tables are internally between guides and from underside of head box to floor level (i.e. visible fabric dimensions)

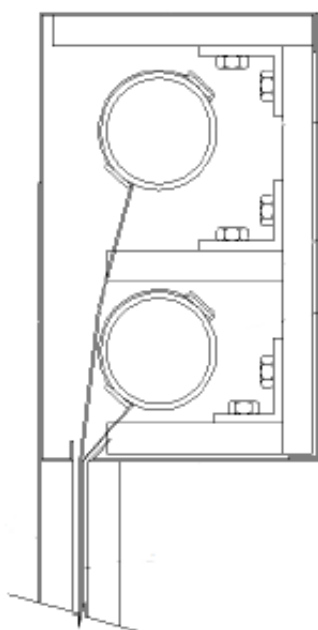
2. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. The product is CERTIFIRE approved on the basis of:
- i) Initial type testing.
 - ii) An appraisal against TS30.
 - iii) Inspection and surveillance of factory production control
4. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
5. It is permitted that single-roller curtain systems may incorporate "ResQ-Window™" vision panels for up to 240 minutes integrity and 30 minutes radiation.



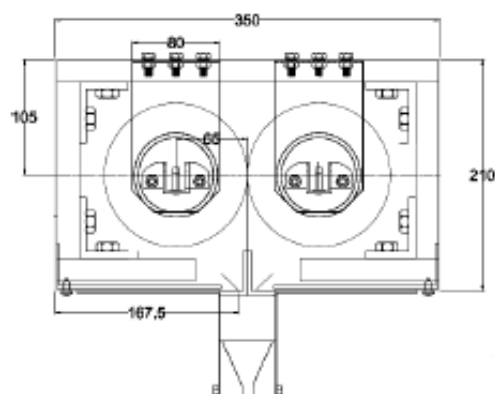
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Permitted Overlapped Curtain Roller Configurations.



Up-and-over arrangement
(up to 240 minutes integrity)

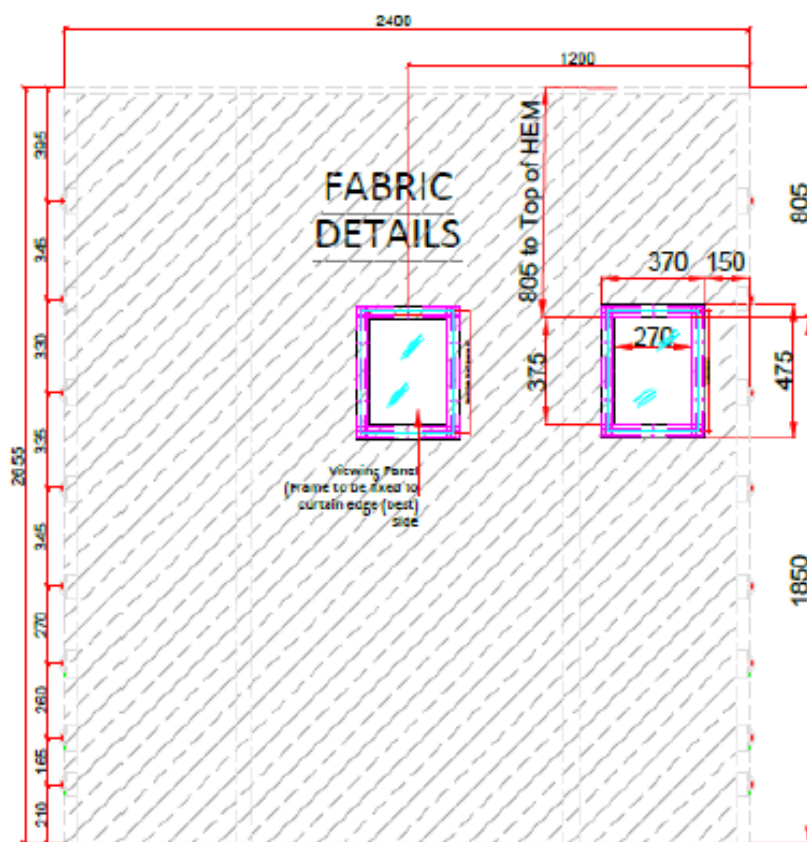


Proposed side-by-side arrangement
(up to 120 minutes integrity)

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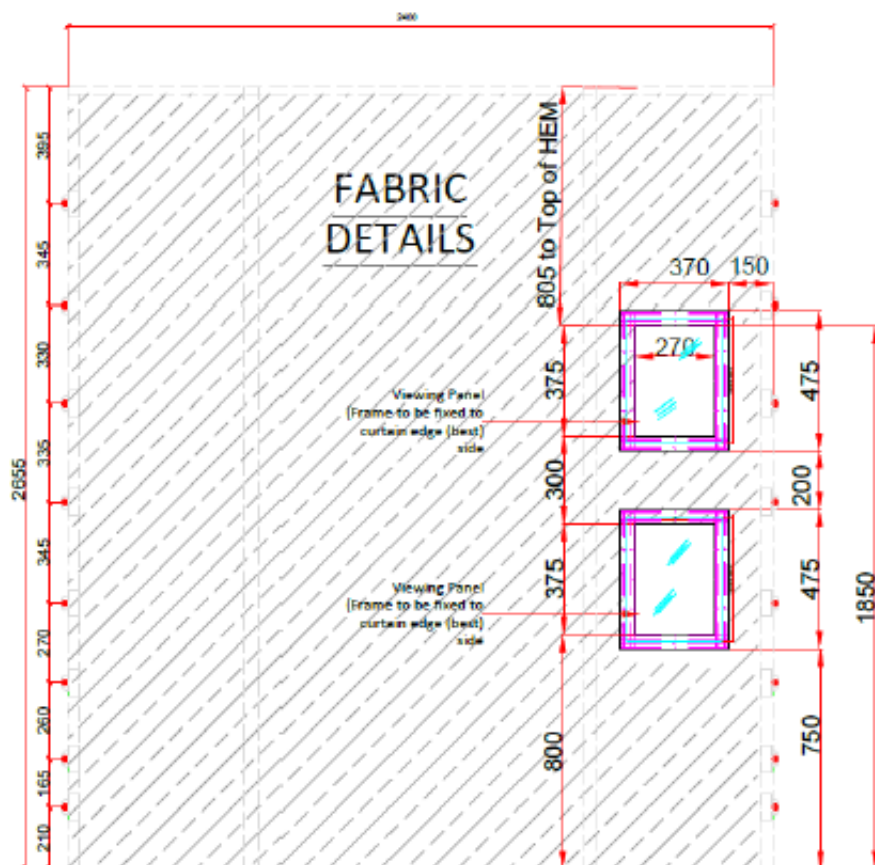
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Permitted "ResQ-Window™" Vision Panel - for Single-Roller Curtain Systems Only.



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"ResQ-Window™" vision panels having clear vision dimensions of 375 mm high by 270 mm wide maybe be included within single barrel curtains only, for up to 240 minutes integrity and 30 minutes radiation. A maximum of one window per fabric section may be included. Alternatively, the vision panels may be vertically aligned, in which case the entire assembly shall be limited to two vertically stacked windows. The outer edges of the frame of each vision panel shall be no closer than 100 mm to any stitched joint in the fabric. The edge of each stitched joint shall be measured from the line of the thread. The upper edge of each window shall be positioned at a height of 1850 mm \pm 200 mm above floor level. When two panels are incorporated, the distance between the outer edges of the panel frames shall measure no less than 200mm. When vertically stacked, the lower panel may be positioned anywhere as long as it complies with the above. The above examples show how the positional requirements could be accommodated in a curtain having overall dimensions of 2655 mm high by 2400 mm wide.