
CERTIFICATE OF APPROVAL

No CF 5299

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

WHITE ALUMINIUM ENTERPRISES L.L.C.

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

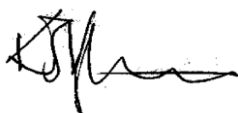
CERTIFIED PRODUCT

Non Load Bearing Fully Glazed
Steel Framed Partition System

TECHNICAL SCHEDULE

TS25 Fire Resistant Glass,
Glazing Systems and Materials

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



Issued: 22nd July 2015
Revised: 12th October 2016
Valid to: 21st July 2020

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CERTIFICATE No CF 5299

WHITE ALUMINIUM ENTERPRISES L.L.C.

Non Load Bearing Fully Glazed Steel Framed Partition System

This Certificate of Approval relates to the contribution to fire resistance of WHITE ALUMINIUM ENTERPRISES L.L.C. Steel framed, fully glazed partition systems when used in the above applications as defined in BS 476: Part 22: 1987 subject to the under mentioned conditions.

This approval relates to the use of the single-pane, fixed glazed windows to provide a fire resistance of up to 60 minutes integrity, as defined in BS 476: Part 22: 1987.

This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

These products are approved on the basis of:

- a) Initial type testing
- b) A design appraisal against Technical Schedule TS25 which has been based on the specimen tested under the test report referenced OI044 (Rev.01)
- c) Inspection and surveillance of factory production control
- d) Product surveillance under BS EN ISO 9001: 2008
- e) Audit Testing in accordance with Technical Schedule TS25

Note 1: This Certificate of Approval must be read in conjunction with CERTIFIRE Technical Schedule TS25, Fire Resistant Glass, Glazing Systems and materials.

Note 2: The WHITE ALUMINIUM ENTERPRISES L.L.C. partition system can be used within or form the entire fire resistant non- load bearing internal or external walls. It is made up from a kit of products as described in this certificate. In all cases the system can be installed either upright or at an angle of $\pm 10^{\circ}$ from the vertical without compromising the fire resistance performance.

This approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

The partitions shall be mechanically fixed to wall constructions having a fire resistance of at least the same period as the partitions.

Labels to the CERTIFIRE design referencing WHITE ALUMINIUM ENTERPRISES L.L.C., CERTIFIRE and CERTIFIRE Ref. No. CF 5299 shall be affixed to each window in the prescribed position.

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WHITE ALUMINIUM ENTERPRISES L.L.C.

Non Load Bearing Fully Glazed Steel Framed Partition System

This approval relates to on-going production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name and mark together with the CERTIFIRE Certificate number (CF 5299) and application where appropriate.

Other Information

The design appraisal for WHITE ALUMINIUM ENTERPRISES L.L.C. partition system has been made on the basis of Technical Schedule TS25 and therefore this Certificate of Approval relates to the contribution to fire resistance for WHITE ALUMINIUM ENTERPRISES L.L.C. partition system based on Forster framing profiles and Vetrotech's Contraflam 60-3/4 IGU glass when used in applications as defined in BS 476: Part 22:1987.

The WHITE ALUMINIUM ENTERPRISES L.L.C. partition system for fire-resistant walls can be used for the construction of internal or external non-load bearing glazed partitions for fire resistance performance of up to 60 minutes integrity and insulation according to BS 476 Part 22:1987.

The application of glazed fire resistant barriers in the building industry is subject to the fire resistant requirements of the building, applicable standards and relevant regulations. The framing system design that can be offered is covered in this Certificate. Supporting test evidence is available from WHITE ALUMINIUM ENTERPRISES L.L.C. partition system on request.

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WHITE ALUMINIUM ENTERPRISES L.L.C.

Non Load Bearing Fully Glazed Steel Framed Partition System

This WHITE ALUMINIUM ENTERPRISES L.L.C. partition system is CERTIFIRE approved for the inclusion of glazed apertures as detailed below.

CONTRAFLAM FIRE RESISTING GLASS

Contraflam 60-3/4 IGU Glass in Forster framed screens for periods of 60 minutes integrity and 60 minutes insulation

The glass shall be glazed into the screen as described in this Certificate up to maximum sizes and area shown in Table 1 below and set on non- combustible setting blocks to determine the correct edge cover.

The screens shall be no greater than 4000 mm high unless suitable tie backs and/or fire protected structural supports are provided.

Table 1. Maximum Permitted Glass Dimensions

Integrity & Insulation Performance (minutes)	Maximum Height (mm)	Maximum Width (mm)	Subject to Maximum Area of (m ²)
60	2975	2282	6.17