

ALUFIRE®



fire resistance
frameless system **EI30, EI60**



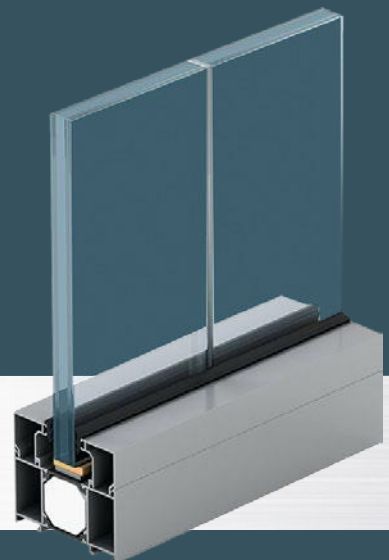


Alufire Vision Line is the first and only Polish system of fire rated glass walls of **EI30** and **EI60** fire resistance classes. The fire resistant laminated glass gap between the panes is filled with non-flammable silicone. Additionally the width of the non-transparent strip of silicone is as small as **4 mm to 6 mm**.

In comparison, other available systems apply fire resistant toughened glass using a black non-transparent strip as large as **30 mm**.

The walls can be supplemented with Alufire's fire resistant doors or non-fire rated wooden or all-glass doors.

Frameless fire resistant glass walls of Alufire Vision Line have technical approval **No. AT-15-9439/2015** and full certification from **BRE** (Building Research Establishment) **No. 1406a** approved to LPS 1158 standard.

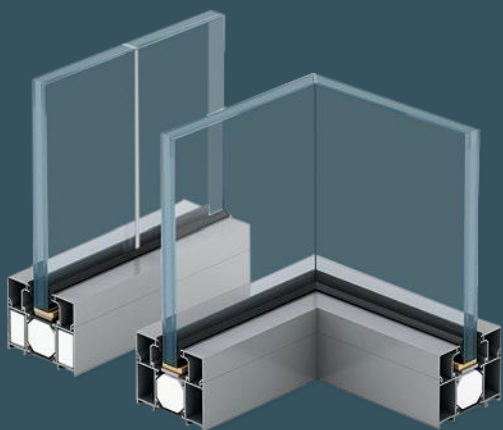


The width of the walls has no limitation and their height, depending upon their version, can reach up to 3 or 3.3 m.

Angle connections or T type ones are made on the principle “pane to pane” without the application of any additional masking strips.

To maintain the cohesive appearance of the construction assembled one by one, there is also the possibility to make frameless glass walls with non-fire rated panes in places, where it is not required.

Alufire's Vision Line, gives unlimited visual possibilities in creating effortless yet stunning, sophisticated interior spaces with extended transparent sight lines. Alufire's fire resistant glass walls will improve the daylighting in the interior space and at the same time maintain the fire safety.





The system has the best in the market sound reduction index R_w up to 47dB and is admitted to be applied in C and D category areas and **may be assembled on edges of intermediate floor**.

Alufire Vision Line System products are offered in different acoustic classes:

- AVL Standard 39 dB
- AVL Acoustic 44 dB
- AVL Acoustic+ 47 dB

Additionally, it is possible for the Alufire Vision Line's frame to be hidden. Installed in the floor and ceiling to create a completely transparent scene.

The product has been awarded in the competition "Good Sample 2015" by the Warsaw Institute of Industrial Designs.



R_w up to 47 dB



Alufire Classic is a system of internal and external mullion fireproof walls and storefronts in fire resistant classes E, EW, EI with fire resistance from 15 to 120 minutes.

The width of the construction has no limitations and the height may come up to 4 m for EI30, EI60 and 4.2 m for EI120.

The walls fulfill the requirements set out for the highest category of use IV according to the guidelines for the European Technical Approvals ETAG No. 003 and may be applied in areas of C and D categories, for instance; in school buildings, shops, malls and other with intense traffic.

The system has the sound reduction index R_w up to 44 dB, the highest in the market.

The corrosion resistance index C4 allows to apply it in aggressive environments.

Fire-rated joinery may be made in any RAL, Decoral, NCS colours and has non-typical shapes (for instance arches).

The Alufire Classic system has Technical Approval **No. AT-15-6520/2016** and also is certified by **BRE** (certificates No. 1406a and 1406b) according to LPS 1158 and LPS 1056 standards.









Alufire Aluminium one or double leaf door with fire resistant classes of EI15, EI30 and EI60 which may have, at the same time, smoke-proof and burglary proof properties — in RC2 class.

The maximum height of the door is 2.75 m. It is possible to make single-leaf door EI30 up to the height of 3.3 m. The sound reduction index is 42 dB.

As to the mechanical resistance, the door corresponds to class IV of use in hard conditions and very hard conditions and its mechanical durability is in class C5 — 200 000 cycles.

Our offer has also a door with grille and an escape door. Many non-typical hardware elements can be applied as, for instance, hidden self-closer of BOXER type, roller hinges, electric locks, electromotor locks, anti-panic locks, reversible and averse electric strikes, anti-panic hardware, servomotors to swing doors etc. We can also offer technical fireproof windows.



VISION LINE

ALUFIRE®



LSF COMMERCIAL
WINDOWS • DOORS • CURTAIN WALLING

Tel: 01708 552225

Email: sales@lsfcommercial.co.uk

Web: www.lsfcommercial.co.uk



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