

# ALUFIRE®



**EI 30, EI 60, EI 120**  
**FIRE RESISTANT GLAZING SOLUTIONS**

**ALUFIRE<sup>®</sup>** Vision Line





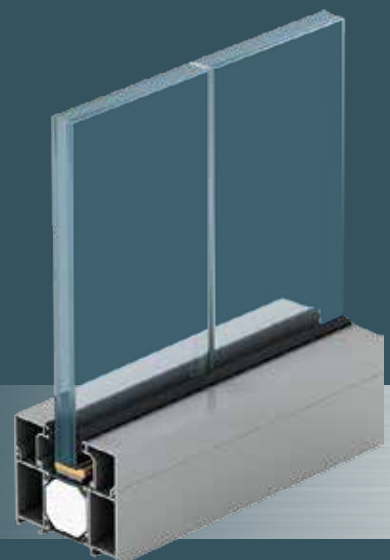
With **Alufire Vision Line** an array of new capabilities is possible with glazing that is fire resistant, sound suppressant, and capable of reducing heat transfer.

The versatility and adaptability of Alufire glazed solutions has multiple benefits in numerous settings because of its potential to increase productivity, occupancy satisfaction, and the general health of people living, working or visiting in intelligently, and naturally lit locations.

Alufire glazing systems are the only LPCB glazed partition systems approved to LPS1158 – Requirements and tests for fire resistant glazing systems - the highest form of endorsement a product can achieve.

Alufire glazed partitions have full LPCB product certification from BRE (Building Research Establishment) guaranteeing up to 120-minutes fire performance with respect to Integrity (E) and Insulation (I) in accordance with EN 13501-2.

The European Standard EN 13501-2 has been used by BRE as the only harmonized procedure for the classification for resistance to fire of construction products and building elements in the UK and Europe.





# ALUFIRE<sup>®</sup> Vision Line

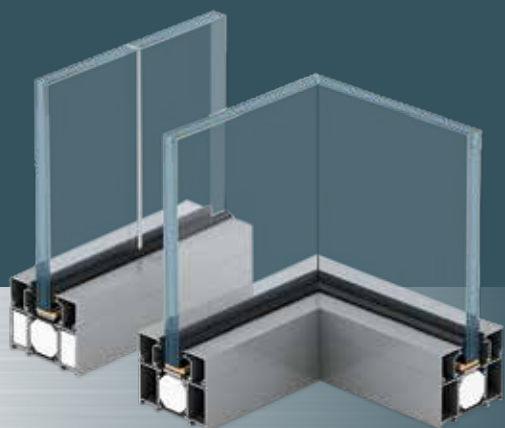
Alufire fire-rated glazing systems are an excellent way to incorporate daylighting into a building's design without compromising safety in the event of a fire.

The glazed partition units can be manufactured up to 4400mm in height and installed in an unlimited opening width of wall, subject to the scope of certification.

The ALUFIRE system consists of fire-rated composite glass sheets secured in aluminium profiles, interconnected with a glass fibre reinforced polyamide thermal separator.

The profile chambers are filled with silicate-cement inserts and intumescent seals are included at meeting surfaces. This enables the product to provide thermal insulation and the required smoke and fire resistance that protects against the high temperatures created during a fire. Infill panels can be either glazed or opaque, dependent on client requirements.

Both AVL - Alufire Vision Line - and Alufire Classic are fully compatible with the Alufire single and double leaf door sets (LPCB certificate 1406b).







# ALUFIRE<sup>®</sup> Vision Line

Whether you're designing or building commercial offices, a school or a healthcare facility, it is proven that controlling the transmission of sound into interior spaces increases productivity, safeguards privacy and improves the overall mood of the occupants.

In environments where noise can be a distraction, Alufire is a high quality acoustic glass that offers excellent noise reduction without compromising on light transmittance. This enables workers to benefit from maximum daylight while avoiding the negative impact of noise pollution.

Due to the highly engineered and robust construction our systems have one of the highest acoustic coefficients on the market





**$R_w$  do 47dB**

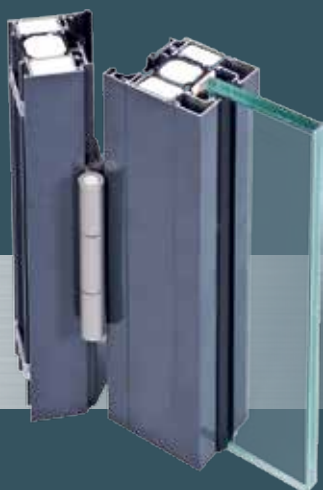


# ALUFIRE® Classic

**Alufire** Classic offers a system of internal and external glazing in fire resistant classes EI 30 to EI 120. The width of the design is without restrictions and height is approved up to 4400mm.

We applaud architecture built on innovation. With Alufire we have enhanced the relationship between form and function. Due to their stability, these systems allow architects to build entire facades out of glass, enabling design flexibility to create bright and highly attractive working environments, with more light and a greater feeling of space.

The Alufire systems are produced bespoke for your needs, delivered as complete units, for added safety, and installed by our specially trained technicians.















**Alufire** doorsets offer a wide range of solutions for office buildings, hospitals, apartment blocks and homes.

Alufire doorsets are available as single or double leaf with fire resistant classes EI 30, EI 60.

The door leaf can be manufactured up to 3518mm in height or up to 1669mm in width subject to area restrictions.

Certification includes installation into the following supporting constructions, Alufire Classic and Alufire Vision Line glazed systems (LPCB certificate 1406a), standard rigid (masonry), or flexible (partition) constructions.

Self-closing EN 14600 - All Alufire doorsets have the highest classification C5, subject to very frequent usage, having successfully completed in excess of 200,000 self-closing test cycles.

Smoke leakage EN 1634-3 - All Alufire doorsets have the highest classification Sa - Sm.

Acoustics: Achieves a sound reduction of up to  $R_w = 41\text{dB}$  for internal constructions and up to  $R_w = 44\text{dB}$  for external constructions.



# VISION LINE

**ALUFIRE®**

**CHECKMATE  
FIRE** 

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Sole distributor and installer of Alufire systems for the UK and Ireland