FIRE-RESISTANT SYSTEMS · ALUMINIUM

Aluminium fire-resistant doors, windows and partitions

Define internal spaces and access points with glazed aluminium assemblies selected for the project's fire requirement.



Thermally broken aluminium windows that hold back flame, smoke and heat for up to 90 minutes. The frame, the glass and the intumescent core are tested together, so the window keeps its rating as installed.

FIRE RATING	SYSTEM	THERMAL	ACOUSTIC
EI 30–90	MB-78EI	1.6 W/m²K	40 dB
Integrity and insulation	Aluprof	Insulation from	Higher with acoustic glass

Benefits

- **Looks like standard glazing.** Matches non-fire-rated systems.
- **Tested as one assembly.** Frame, glass and hardware together.
- **Stops heat as well as flame.** Integrity and insulation, class EI.
- **Sealed against sand and water.** Rebated sections, quality gaskets.
- **Wide choice of finishes.** Powder coat to any RAL colour.
- **Aluprof MB-78EI system.** European profiles.
- **Manufactured in Qatar.** Fabricated and finished in Doha.

Options

Fixed lights · Opening lights · Internal or external · Acoustic glass · RAL colour

Technical data

ITEM	SPECIFICATION
System	Aluprof MB-78EI
Frame	Thermally broken aluminium, fire-protection core
Fire rating	EI 30 · EI 60 · EI 90
Tested to	EN 1634-1 · EN 1364-1 · EN 13501-2
Configuration	Doors, fixed windows and glazed partitions
Section depth	78 mm
Glass	Multi-laminate fire-rated glass, 13 to 60 mm
Air and water	Class 2 · EN 12207 / Class 5A · EN 12208
Thermal insulation	From 1.6 W/m²K
Acoustic insulation	40 dB, higher with acoustic glass
Finish	Polyester powder coat

Where it is used

Lift lobbies · Corridors and escape stairs · Compartment lines · Atria and lobbies · Offices · Hotels · Hospitals and clinics · Schools and universities · Airport terminals · Stadium concourses · Shopping malls · Residential towers · Basement car parks · Oil and gas buildings · Control rooms · Government buildings · Mixed-use towers · Data centres

Confirm the complete configuration. Ratings apply to the tested assembly and its permitted sizes. Confirm the complete configuration with our team before specification or ordering.

Send us your drawings and specification.

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