



OSiR Ice Rink in Bytom

Thermally insulated fire door system **AS 75EI**

The three-chamber system AS 75 EI is used to construct thermally insulated internal and external doors with fire resistance class EI 30 and EI 60 with the possibility of installation in showcase structures, AS 75EI walls and plasterboard walls.

The system ensures full optimisation of the profiles applied by using the same sections and accessories as the classic AS 75 window and door system. The system uses multi-variant glazing from Vetrotech Saint-Gobain and door fittings of well-known brands: Wala, Master, Dr Hahn, Wilka, MC Aluhard, Eco, Schulte, Geze.

Fire-resistant technical doors and windows created on the basis of the system can be equipped with sidelights and fanlights. The system also allows the use of a warm opaque panel in doors and the construction of fire-resistant walls.



SELECTED SYSTEM PARAMETERS

from 1.2 W/m ² K	class EI 30, EI 60	class Sa, S200	class 7A	class 2	class C2
Thermal insulation Ud	Fire resistance	Smoke-proof	Watertightness	Air permeability	Resistance to wind load

PERLITERM INSERTS EASY TO INSTALL



Patented fire protection inserts shaped to fit the profile chambers, made from volcanic rock.



Lighter, warmer and dust-free compared to commonly used gypsum.



Mechanically strong (crack and fracture resistant) for improved thermal insulation.



The first fireproof inserts on the market in a plastic envelope ensuring cleanliness and convenience of storage and use.



Single-sided glazing as in typical door systems, clip assembly on the inside.



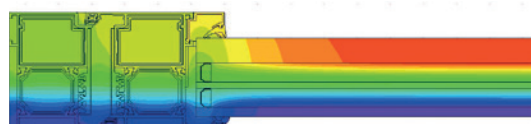
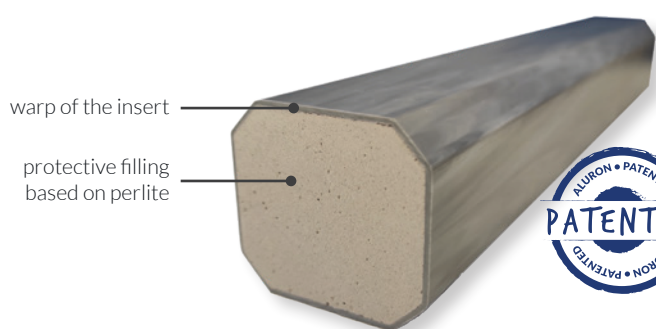
Adjustable system angle for glass fixing facilitating glazing of different glass packages.



Selectable glazing position in relation to the leaf axis - so-called central glazing.



Proprietary expanding seals clipped into thermal breaks eliminating the problem of their unsticking.

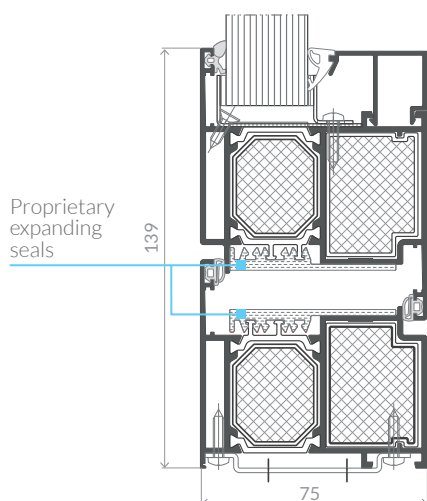


Temperature distribution

SYSTEM CHARACTERISTICS

EI 30 - 2800 mm EI 60 - 2500 mm	1320 mm	220 kg	EI 30 - 4800 mm EI 60 - 4000 mm	15 mm, 16 mm	27 mm	34-56 mm
Max. leaf height	Max. leaf width	Max. leaf weight	Max. height of fire proof walls	Thickness of single glazing in EI 30 constructions	Thickness of single glazing for EI 60 construction	Thickness range of glazing packets in EI 30 and EI 60 construction

Section through door opening inward - EI 60 version



Section through door opening outward - EI 60 version

