

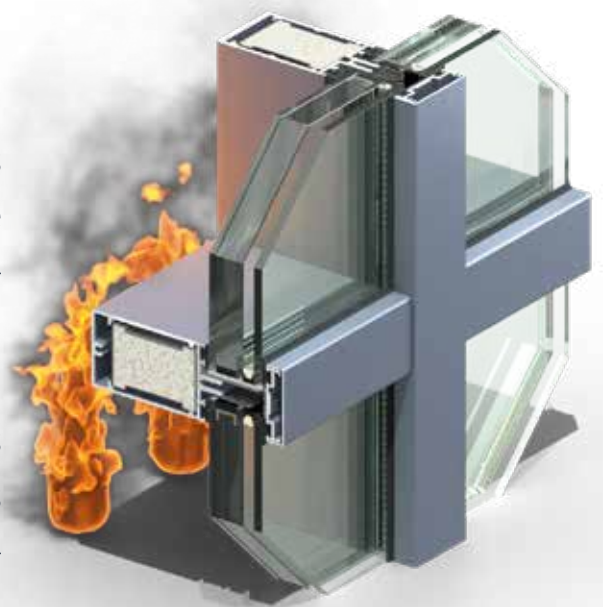


Copenhagen Opera House

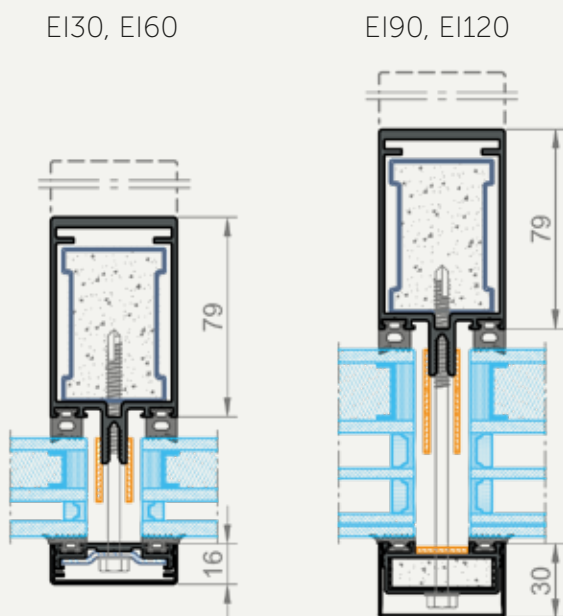
## EI60, EI90, EI120 Fire Rated Facade

ALUFLAM AW50 glass constructions are made of narrow aluminum profiles, the space of which is filled with patented fire-resistant, retardant cooling cores.

Available in fire ratings E/EW/EI60, EI90 and EI120 with 60, 90 and 120 minutes of fire protection respectively. The products are fully tested in various European laboratories according to EN standards.



- Our facade complies with EN 12600 standards
- Fire classification EI60, EI90, EI120
- Single EI60, glass for inside use
- Insulated EI60, EI90, EI120 glass for outside use
- Thermal isolation with value down to  $U_m = 2.33 [W/m^2K]$
- Large panes can be configured with this system
- Aesthetic, narrow sightline of the system profiles: 50 mm
- Good sound resistance
- Single and multiple window panel design is available
- Surface finishing - powder coating (RAL, NCS), anodizing



The photo shows the specimen after the 60-minute test was finished. View from the unexposed side.

Fire resistance	EW60 - EW90, EI30 - EI60 - EI90 - EI120
Tested glass	Fireblock 60-90-120, Contraflam 60-90-120
Maximal size EI90	1200 x 2500 x 79 mm
Maximal size EI120	1176 x 2426 x 60 mm
Frame depth / Sightline	78, 140 mm (mullion internal width) / 50 mm
Maximal glazing thickness	100 mm
Functionality	curtain walls