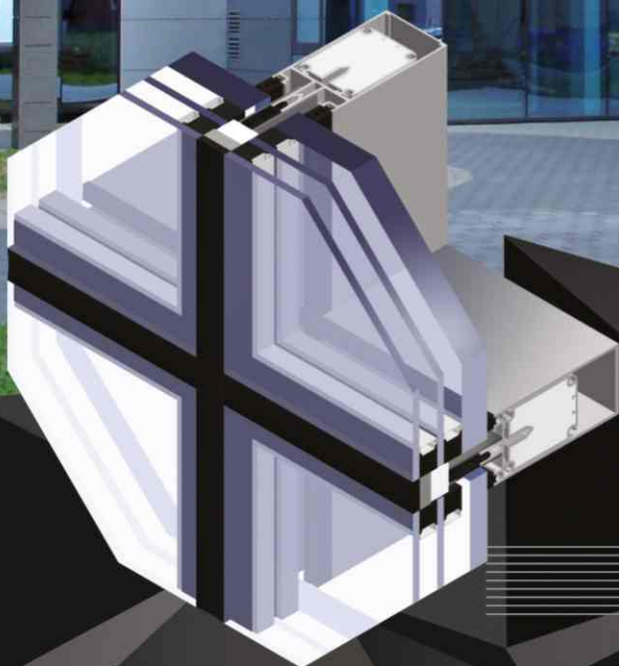


MCGF

MC GLASS FIRE



A semi-structural facade system used to design fire-rated facade structures featuring the EI30, EI60 fire resistance.

MCGF

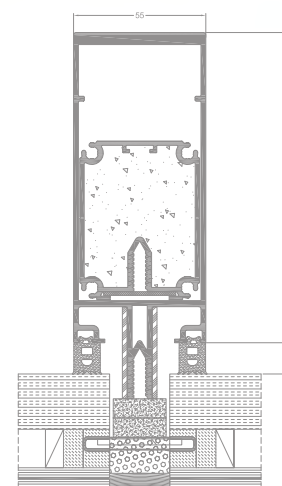
A semi-structural facade system used to design fire-rated facade structures featuring the EI30, EI60 fire resistance.

Structures based on the MC Glass Fire system provide the EI30 and EI60 fire resistance class according to 13501-2+A1:2010.

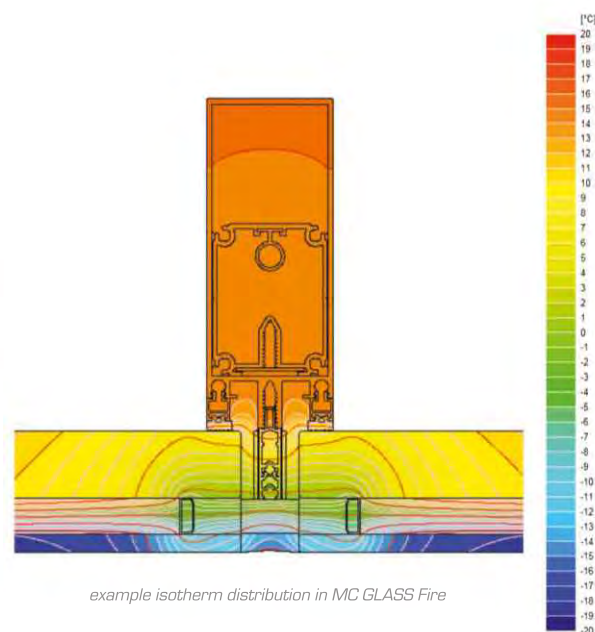
Technical description of the system:

- Infill:
 - Vetrotech glazing unit: 8 tempered / 16 / 25 Contraflam,
 - internal fire-rated glass panel.
- Fire-rated inserts in mullions and transoms: aluminium shaped sections filled with the Aestuver fire resistant cement compound supplied by Xella.
- Transoms fixed to mullions using two a $\varnothing 6$ pins and one a $\varnothing 10$ pin (stainless steel). Mullion and transom sockets are lined with intumescent tapes.
- The space between glasses is filled with an insulating material with thermal and fire-resistant features.
- In order to obtain a smooth external surface, the gap is filled with UV resistant silicone.

Wide range of colours – RAL palette (Qualicoat 1518), texture colours, Aliplast Wood Colour Effect (wood-like colours), Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodized colour (Qualanod 1808), bi-colour.



MC GLASS Fire mullion cross section



example isotherm distribution in MC GLASS Fire

TECHNICAL SPECIFICATION

SYSTEM	MATERIAL	DEPTH MULLION	DEPTH TRANSOM	GLAZING RANGE	MULLIONS RIGIDITY	TRANSOM RIGIDITY
MCGF	aluminium	10-326 mm /	10-294 mm /	4-59 mm	176,7 - 4092 cm ⁴ *	215,90 - 2293 cm ⁴ *

* There is a possibility to use additional reinforcements.

PERFORMANCE

SYSTEM	THERMAL INSULATION Uf *	AIR PERMEABILITY	WINDLOAD RESISTANCE	WATERTIGHTNESS
MCGF	Uf from 0,88 W/m ² K	Class AE1300; EN 12152	2000 Pa \pm 3000 Pa; EN 13116	Class RE1800; EN 12154

* Thermal insulation is dependent on a combination of profiles and thickness of the filling.