

MCF

MC FIRE



A mullion-transom wall system used to design and construct lightweight fire-rated curtain walls conforming to the EI60 fire resistance class.

# MCF

A mullion-transom wall system used to design and construct lightweight fire-rated curtain walls conforming to the EI60 fire resistance class.

The system is based on a framed load-bearing structure consisting of vertical (mullion) and horizontal (transom) aluminium shaped sections with a width of 55 mm.

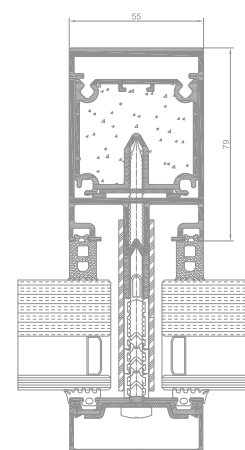
In order to obtain fire resistance of aluminium shaped sections, the mullions and transoms are fitted with special flame-retardant inserts (aluminium shaped sections filled with a flame-retardant compound).

The appearance of the fire-rated facade is the same as the appearance of the mullion-transom facade. Therefore, the joint of the fire-rated facade and the standard facade can be optically invisible.

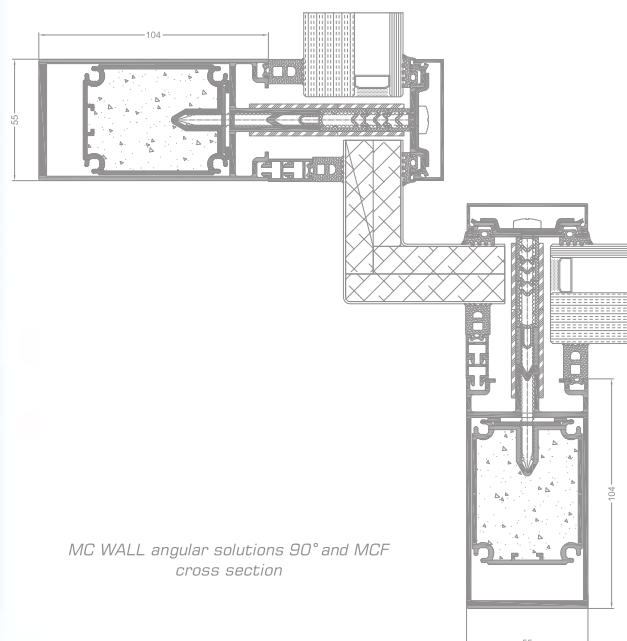
Efficient fire protection of the systems offered by Aliplast is not compromised by appearance. The solutions offered by Aliplast provide maximum safety and freedom of architectural design at the same time.

A wide range of decorative cover caps makes is used to obtain a modern and individual design of the facade.

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 FIRE mullion cross section



MC WALL angular solutions 90° and MCF cross section

## TECHNICAL SPECIFICATION

SYSTEM	MATERIAL	DEPTH MULLION	DEPTH TRANSOM	GLAZING RANGE	MULLIONS RIGIDITY	TRANSOM RIGIDITY
<b>MC FIRE</b>	aluminium	10-326 mm /	10-294 mm /	4-59 mm	111,7 - 4092 cm <sup>4</sup> *	131,7-2293 cm <sup>4</sup> *

\* There is a possibility to use additional reinforcements.

## PERFORMANCE

SYSTEM	THERMAL INSULATION Uf *	AIR PERMEABILITY	WINDLOAD RESISTANCE	WATERTIGHTNESS
<b>MC FIRE</b>	Uf from 1,03 W/m <sup>2</sup> K	Class AE1300; EN 12152	2600 Pa ± 3900 Pa EN 13116	Class RE1500; EN 12154

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