

## MC WALL

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A system used to design modern curtain walls. The system is a basis for facade structures: MC PASSIVE, MC PASSIVE+, MC GLASS and MC FIRE, MC GLASS FIRE (a solution for fire protection). The MC WALL system offers many possibilities of creating the installation. The system offers structures to be opened on the facade: parallel windows (MC PW) and roof windows (MC RW).

# MC WALL

A system used to design modern curtain walls whose shapes are simple and complex.

Mullion-transom visual width: 55 mm.

The curtain wall in the MC Wall system consists of mullions and transoms fastened by stainless steel bolts. There are 2 x  $\varnothing 6$  stainless steel fasteners per joint; the fasteners ensure very high load capacity of the mullion-transom connection, both in the wind pressure plane and the infill load plane. The solution does not prevent using traditional transom brackets or fastening transoms only with screws attached from the face side.

A wide range of mullions and transoms suitable for static requirements.

The insulators can be built accordingly to the infill thickness.

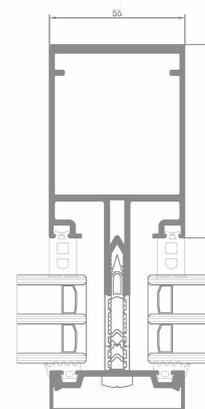
Application of vapour-proof and breather membranes on the perimeter of the facade is easier, in accordance with new guidelines for installation of aluminium structures.

A wide range of decorative cover caps makes it possible to obtain varied visual effects on the curtain wall.

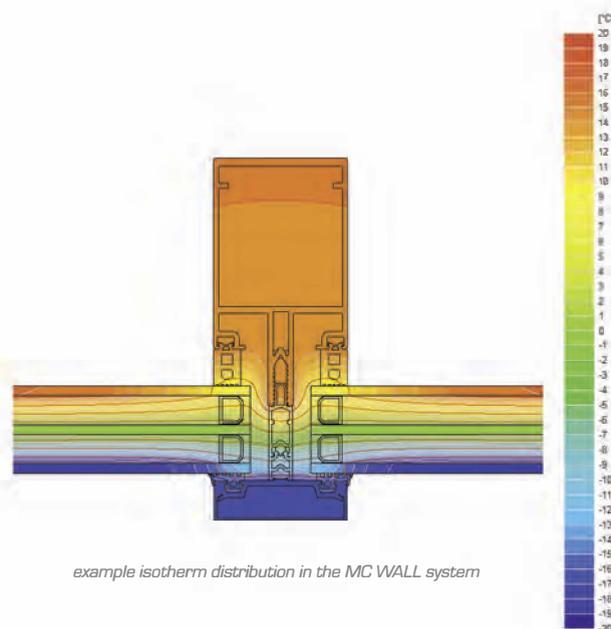
The system is a basis for facade structures: MC PASSIVE, MC PASSIVE+, MC GLASS and MC FIRE.

The option of bending profiles (detailed specification of profiles and detailed technical parameters of profile bending process are available in the customer area of the website [www.aliplast.pl](http://www.aliplast.pl)).

A wide range of colours available - RAL palette, structural colours, Aliplast Wood Colour Effect, bi-colour.



MC WALL mullion cross section



example isotherm distribution in the MC WALL system

## TECHNICAL SPECIFICATION

SYSTEM	MATERIAL	DEPTH MULLION	DEPTH TRANSOM	GLAZING RANGE	MULLIONS RIGIDITY	TRANSOM RIGIDITY
MC WALL	aluminium	10-326 mm / 10-294 mm /		4-59 mm	from 2,5-4092 cm <sup>4</sup> *	from 0,9-1831,1*

\* There is a possibility to use additional reinforcements.

## PERFORMANCE

SYSTEM	THERMAL INSULATION Uf *	AIR PERMEABILITY	WINDLOAD RESISTANCE	WATERTIGHTNESS
MC WALL	Uf from 0,84 W/m <sup>2</sup> K	Class AE 1500; EN 12152	2600 Pa $\pm$ 3900 Pa EN 13116:2004	Class RE1950; EN 12154

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