

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 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).

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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.

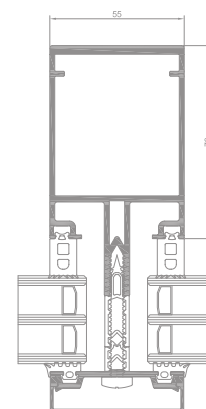
Application of vapour-proof and breather membranes on the perimeter of the facade is easier, in accordance with new guidelines for installation of aluminium structures.

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

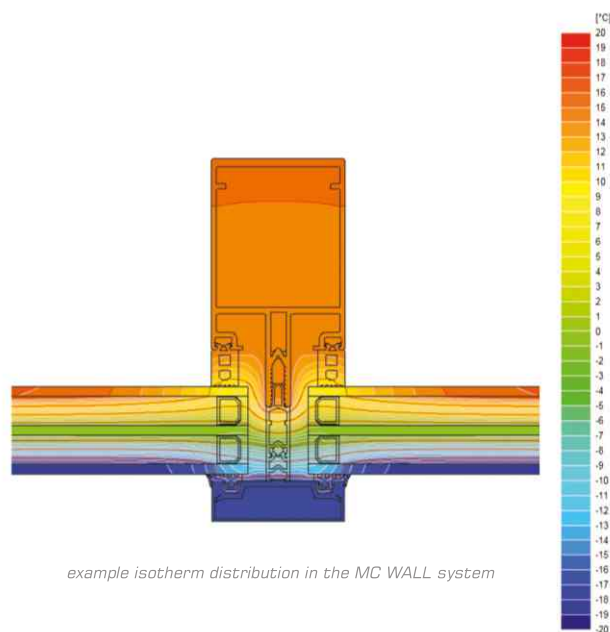
The system is a basis for facade structures: MC PASSIVE+, MC GLASS and MC FIRE.

The option of bending profiles (detailed specification of profiles and detailed technical parameters of profile bending process are available in the authorisation zone of the website www.aliplast.pl).

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 WALL mullion cross section



example isotherm distribution in the MC WALL system

TECHNICAL SPECIFICATION

SYSTEM	DEPTH MULLION	DEPTH TRANSOM	GLAZING RANGE	ACOUSTIC	MULLIONS RIGIDITY	TRANSOM RIGIDITY
MC WALL	10-326 mm / 10-294 mm / 0-89 mm**			45 (-2,-5) dB	from 10,2 - 4092 cm ⁴ *	from 7,0 - 1831,1 cm ⁴ *

** MC Wall glazing of a flat profile MC055 from 5-89 mm / profile MC056 from 20-89 mm

* 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 ² K	Class AE 1500; EN 12152	2600 Pa ± 3900 Pa; EN 13116	Class RE1950; EN 12154

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