CURTAIN WALL

MCP

MC PASSIVE

A system used to design modern curtain walls whose shapes are simple and complex, with improved thermal performance ensured.

aliplast
aluminium systems

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Mullion-transom visual width: 55 mm.

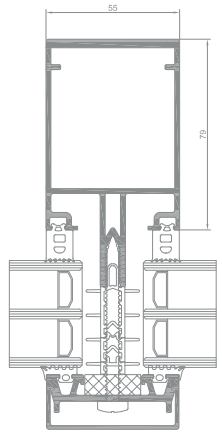
The MC PASSIVE system wall is designed as a mullion-transom frame made of aluminium sections. Its excellent thermal performance is obtained due to a special insulator installed in the space of the holding strip or spacer, which is also located under set screws used to fasten the holding strip. Additionally, thermal properties are improved. Thermal separators are tied to mullion and transom sections, made of hard PVC fitted with additional horizontal “mortises” made of soft PVC.

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

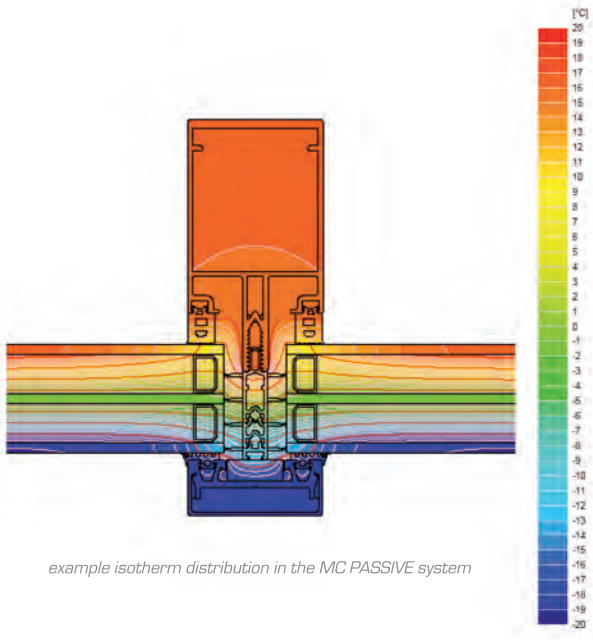
A wide range of decorative cover caps makes it possible to obtain a modern and individual design of the facade.

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).

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



MC PASSIVE mullion cross section



example isotherm distribution in the MC PASSIVE system

TECHNICAL SPECIFICATION

SYSTEM	MATERIAL	DEPTH MULLION	DEPTH TRANSOM	GLAZING RANGE	MULLIONS RIGIDITY	TRANSOM RIGIDITY
MC PASSIVE	aluminium	10-326 mm	10-294 mm	4-59 mm	from 2,5-4092 cm4*	from 0,9-1831,1*

** There is a possibility to use additional reinforcements.*

PERFORMANCE

SYSTEM	THERMAL INSULATION Uf *	AIR PERMEABILITY	WINDLOAD RESISTANCE	WATERTIGHTNESS
MC PASSIVE	Uf from 0,79 W/m^{2}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.*