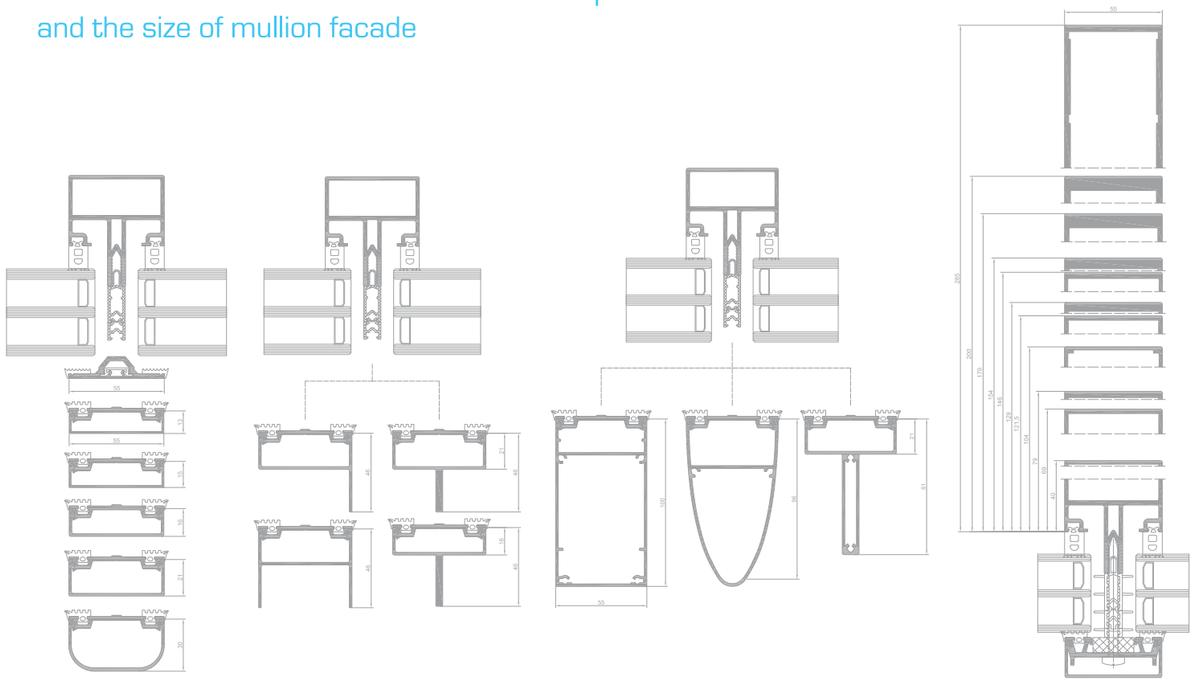
aliplast
aluminium systems

MC WALL

Possible variants of external decorative strips and the size of mullion facade



ALUMINIUM SYSTEMS & PROFILES FOR THE BUILDING INDUSTRIES

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MC

MC WALL, MC PASSIVE, MC PASSIVE+, MC GLASS

aliplast
aluminium systems

System designed for construction of modern curtain walls with simple and complex shapes. Technical solutions used by the system also allow construction of glazed roofs, skylights and glazed spaces. The base version of Aliplast's flagship curtain wall system offers great opportunities to meet individual project requirements. Due to large selection of profiles and accessories, the specifiers can bring their most bold architectural concepts into reality.

- A wide range of solutions used by the system (MC WALL, MC Passive, MC Passive +, MC Glass) allows free shaping of building facade. Wide range of available covers strips allows modern and custom design solutions of facades.
- System MC WALL offers many possibilities of development. The system offers designs opening in the facade: parallel windows (MC PW) and roof windows (MC RW).
- Angle joints allow free shaping of aluminium curtain walls.
- Large extent of glazing, available insulators and accessories allow obtaining high thermal insulation power of facades.
- A wide range of available mullions and transoms adjusting static requirements.
- The profiles can be bent , i.a. window frames, wings and glazing beads, which allows all kinds of arches and similar designs (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 lot of masking strips allows obtaining diverse visual effects for curtain walls.
- A wide range of colours - selection between RAL palette (Qualicoat 1518), wood patterns Aliplast Wood Colour Effect (Qualideco PL-0001), anodized finish, also in bi-colour.



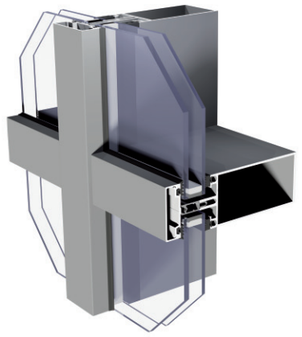


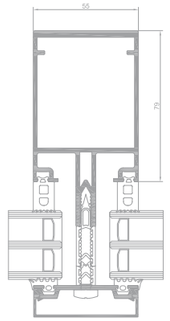

MC

MC WALL, MC PASSIVE, MC PASSIVE+, MC GLASS

MC WALL

System designed for construction of modern curtain walls with simple and complex shapes. The system serves as the base for facade structures: MC Passive, MC Passive +, MC Glass and fire-safety solution MC Fire.

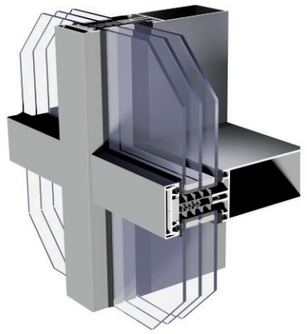


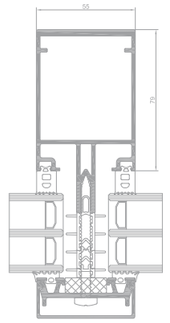


MC WALL mullion cross- section

MC Passive

MC Passive facade system designed for designing facade systems with improved thermal insulation power.

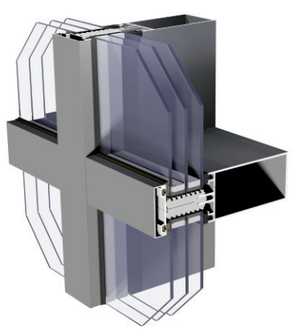


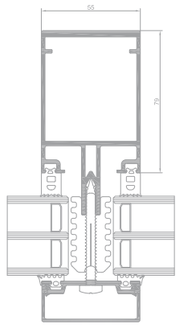


MC Passive mullion cross- section

MC Passive +

MC Passive + is the system with improved thermal insulation power. Special new insulator is used in thermal insulation zone, improving heat-transfer coefficient Uf from 0,61 W/m^{2}K.

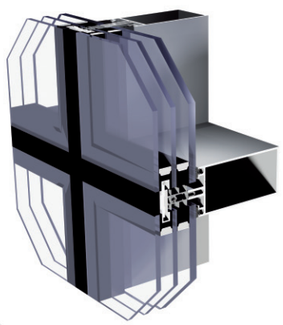


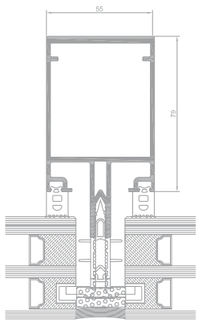


MC Passive + mullion cross- section

MC Glass

MC Glass - the system of semi-structural facade. Used to design facade structures forming flat surface without visible aluminium profiles.





MC Glass mullion cross- section

MC WALL

MC WALL, MC PASSIVE, MC PASSIVE+, MC GLASS

TECHNICAL SPECIFICATION

SYSTEM	MATERIAL	DEPTH MULLION	DEPTH TRANSOMS	GLAZING RANG	MULLIONS RIGIDITY	TRANSOMS RIGIDITY
MC WALL	aluminium	10-326 mm	from 10-294 mm	from 4-59 mm	from 2,5-4092 cm4*	from 0,9-1831,1*
MC PASSIVE	aluminium	10-326 mm	from 10-294 mm	from 4-59 mm	from 2,5-4092 cm4*	from 0,9-1831,1*
MC PASSIVE +	aluminium	10-326 mm	from 10-294 mm	from 4-59 mm	from 2,5-4092 cm4*	from 0,9-1831,1*
MC GLASS	aluminium	10-326 mm	from 10-294 mm	from 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 WALL	Uf from 0,84 W/m^{2}K	Class AE1300; EN 12152	2600 Pa ± 3900 Pa; EN 13116:2004	Class RE1500; EN 12154
MC PASSIVE	Uf from 0,79 W/m^{2}K	Class AE1300; EN 12152	2600 Pa ± 3900 Pa; EN 13116:2004	Class RE1500; EN 12154
MC PASSIVE +	Uf from 0,61 W/m^{2}K	Class AE1300; EN 12152	2600 Pa ± 3900 Pa; EN 13116:2004	Class Re1500; EN 12154
MC GLASS	Uf from 0,66 W/m^{2}K	Class AE1300; EN 12152	2000 Pa ± 3000 Pa; EN 13116:2004	Class RE1800; EN 12154

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

- The Uf-value measures the heat flow. The lower the Uf-value, the betterer the thermal insulation of the frame.
- The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- The wind load resistance is a measure of the profile's structural strenght and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A, B, C). The higher the number, the better the performance.
- The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.