



# MC WALL

© AluCo - Yvan Glavie

**MC WALL** provides designers with the necessary thermal performance and meets the creative needs of architects. This curtain wall has a wide variety of posts, rails and finishing profiles on a uniform line of 55 mm.

In addition to vertical facades, it can also realise glazed roofs and gives the option of using parallel pop-out windows and skylights.

The system is suitable for all types of opaque or glazed infills, with a load-bearing capacity of 600 kg. It includes all accessories for connection and fixing to the building structure.

The **MC WALL** range is fully compatible with the Aiplast window and door systems and can be used to create a wide range of architectural compositions.

## TECHNICAL FEATURES

	MC WALL	MC PASSIVE	MC PASSIVE +	MC GLASS	MC FIRE
DEPTH MULLION	10-294 mm				
DEPTH TRANSOM	17.5-326 mm				
GLAZING RANG	1-74 mm				
MULLIONS RIGIDITY	7.0-1831.1 cm4*				
TRANSOM RIGIDITY	10.2-4092 cm4*				

\* There is a possibility to use additional reinforcements

## PERFORMANCE LEVEL

	MC WALL	MC PASSIVE	MC PASSIVE+	MC GLASS	MC FIRE EI30-EI60-EI90-EI120
UF-VALUE	1.5 W/m²K	1.1 W/m²K	0.97 W/m²K	1.8 W/m²K	1.4 W/m²K
AIR TRANSMISSION - NBN EN 12207	Classe AE1300	Classe AE1300	Classe AE1300	Classe AE1300	Classe AE1300
WATERTIGHTNESS - NBN EN 12208	Classe RE1500	Classe RE1500	Classe RE1500	Classe RE1500	Classe RE1500
RESISTANCE TO WIND - NBN EN 12210	2600 Pa 3900 Pa	2600 Pa 3900 Pa	2600 Pa 3900 Pa	2600 Pa 3900 Pa	2600 Pa 3900 Pa
BURGLARPROOF - NEN5096/ENV1627	RC2	RC2	RC2	RC2	RC2
ACOUSTICAL INSULATION	up to 38dB (-2;-6)	up to 41dB (-2;-6)	up to 41dB (-2;-6)	-	-



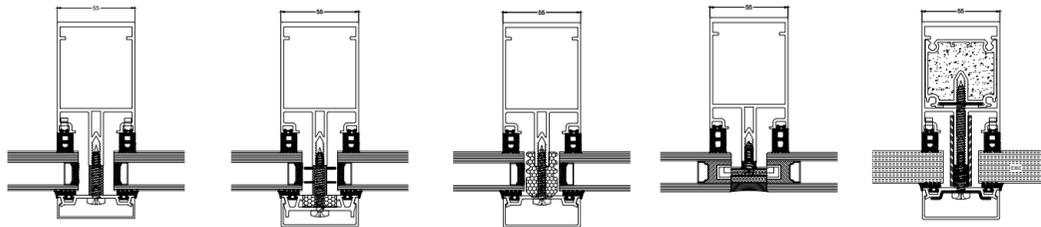
MC Wall

MC Passive

MC Passive +

MC Glass

MC Fire



## AESTHETIC FINISHING PROFILES



### 100% MADE IN BELGIUM

Aiplast develops aluminium profiles tailored to current housing needs. Everything happens under one roof: from drawing to extrusion, powder coating, insulation and transport to the Aiplast distributors. The distributors produce and install the finished windows in your building project.



### 25-YEAR GUARANTEE

Aiplast gives a 25-year guarantee on 50 current colours. The Qualicoat Seaside quality label ensures that your paint colour is extra protected against aggressive environments (exhaust fumes, salty sea air, etc.). You enjoy a 15-year guarantee on all other colours. Peace of mind for the future.



### DURABLE PRODUCT

Aluminium is a durable product because it has a long lifespan. Moreover, the material is fully recyclable and can therefore be completely reused without compromising on quality. Aiplast mainly uses recycled aluminium billets for architectural systems. This aluminium is "Green Metal". It has a positive impact on people and the environment.

MCW-EN-202308



© Stalku - Yvan Glavie



# MC WALL

Curtain wall system that meets the most demanding architectural projects and standards



**aliplast**  
ALUMINIUM SYSTEMS

ALIPLAST PLC

WAASLANDLAAN 15 | B - 9160 LOKEREN | INFO@ALIPLAST.COM | WWW.ALIPLAST.COM

# MC WALL

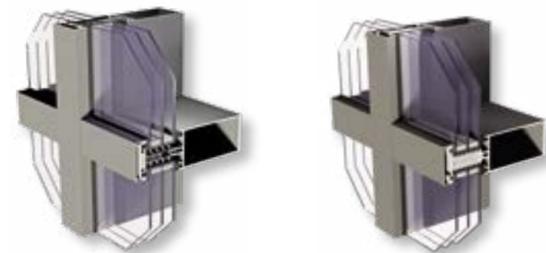
## CURTAIN WALL SYSTEM



The **MC WALL** executed as a traditional curtain wall has a wide choice of clamp and cover profiles as an aesthetic finish. Style profiles are available up to a depth of 326 mm. Because we extrude at lengths of 7 metres as standard, a free span can be created in almost all situations without using a slide-in profile. A wide choice of profiles makes it possible to bring the posts and rails into one plane on the inside.

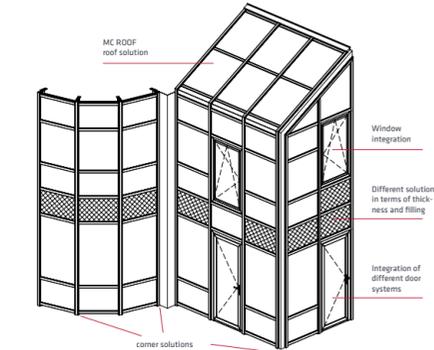


Although the glass used for a curtain wall carries most of the weight when it comes to the final insulation value of the structure, we offer the option of adding extra insulation to the curtain wall profiles. This is why our range includes the **MC PASSIVE** and **MC PASSIVE+** variants. With these variants, Uf values of 1.1 W/m<sup>2</sup>K or 0.97 W/m<sup>2</sup>K respectively can be achieved. Triple glazing can be used; the maximum glass take-up for all versions is 74 mm.



With the **MC GLASS** variant, optically all-glass façades can be realised. Opening parts as an opening window with sash-covering glass fit perfectly into the picture. A combination of partially glued joints with horizontal or vertical cover strips is also possible. The outer glass pane is laid on both sides to meet possible municipal requirements.

Glass roofs can also be realised with the MCWall system. Ventilation can be incorporated with our **MC ROOF** skylights, optionally fitted with a spindle or electric chain motor. Skylights may have a maximum width of 2040mm and a maximum height of 1990mm where the sash weight should remain below 125kg.



### CORNERS

