MC55

Slim & ultra-performing profile system
for large facades

100%
MADE IN
BELGIUM

25
YEARS
COLOR
LOCKED

aliplast®
ALUMINIUM SYSTEMS

MC55 Curtain wall

Aliplast's curtain walls are specifically designed to meet the high demands of contemporary international architecture.

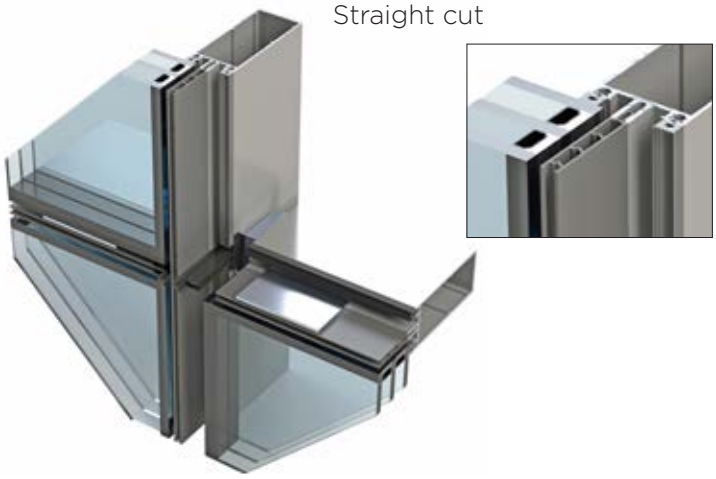
MC55 is a façade system with a slim appearance with various exterior solutions as a finish. Aliplast offers the possibility of joints in both straight cut and stepped cut versions depending on customer requirements.

With profile depths of up to 275 mm, various mullion-transom connections and reinforced glass supports, larger spans are made possible with large glass weights.

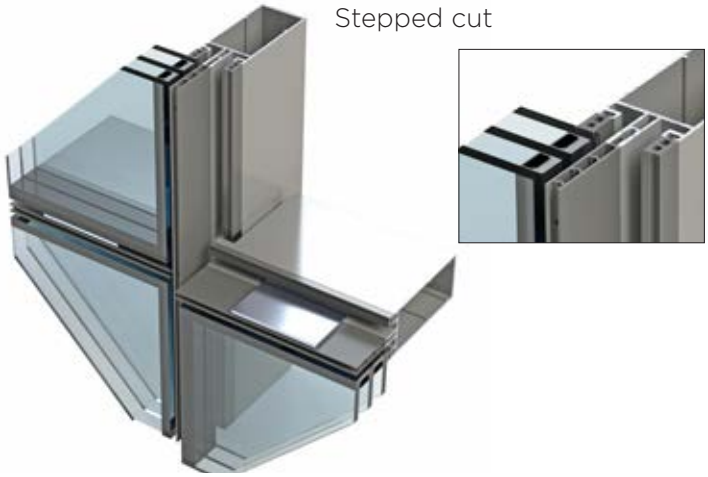
MC55 is also perfectly compatible for the integration of our extensive range of windows, doors & sliding windows. MC55 is also extendable to roof applications.

Thanks to the different variants of spacers, the MC55 (Passive) tops the charts in terms of insulation values, which is not unimportant in today's market.

Straight cut

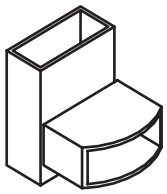


Stepped cut

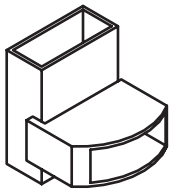


AESTHETIC FINISHING PROFILES

VERSIONS

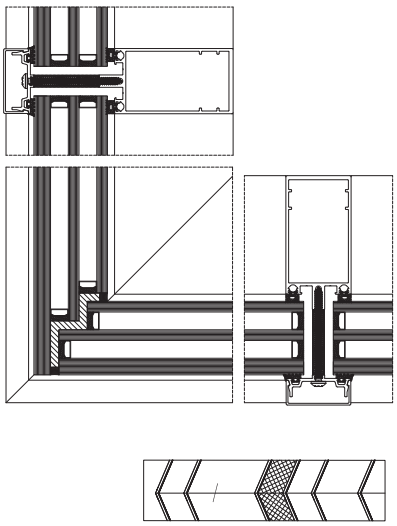


Straight cut

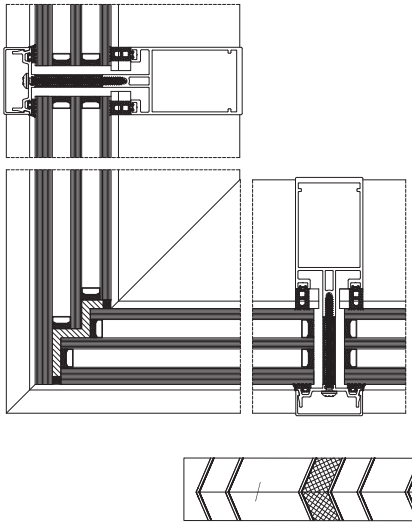


Stepped cut

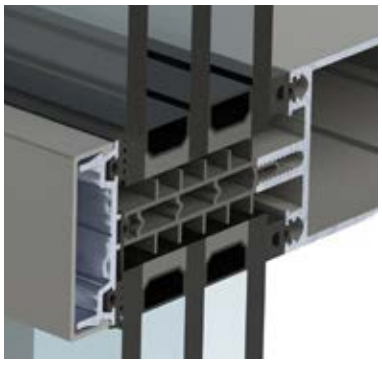
Straight cut



Stepped cut



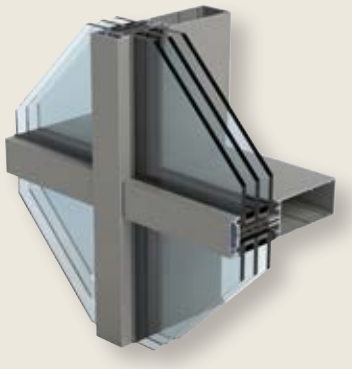
MC55



MC55 Passive

ADVANTAGES MC55

- Unlimited design freedom
- More efficient and fast assembly
- Greater flexibility: choice between straight and stepped cut
- Simplified glass tables
- Larger load capacities for heavy glazing
- More options for invisible internal reinforcement
- Inertias up to more than 3000 Ix (without steel)
- Meets the most stringent standards



MC55

TECHNICAL FEATURES

VIEW WIDTH	55 mm
DEPTH MULLION	50-275 mm
DEPTH TRANSOM	91-266 mm
GLASS THICKNESS	1-74 mm
INERTIA TRANSOM Ix = wind load	143-4354 cm4*
INERTIA MULLION Ix = wind load	27-4189 cm4*
INERTIA MULLION Iy = glass load	40-98 cm4*

* Possibility to use additional reinforcements

PERFORMANCE LEVEL

	MC55	MC55 PASSIVE
UF-VALEU - EN ISO 12631, EN ISO 12567-1, EN 12412-2	1.6 W/m²K*	1.1 W/m²K*
AIR TRANSMISSION - EN 12153, EN 12152	Class 4	
WATERTIGHTNESS - EN 12155, EN 12154	Class RE2100	
RESISTANCE TO WIND - EN 12179, EN 13116	2100 Pa / 3150 Pa	
BURGLARPROOF - EN 1627	RC2	
ACOUSTICAL INSULATION - EN ISO 10140-2; EN ISO 717-1	up to 46.5(-2;-5.6)	

Performance and properties always vary according to dimensions and construction.

* +ISO 12631 0,3

100% MADE IN BELGIUM

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

25-YEAR COLOUR GUARANTEE

25 YEARS COLOR LOCKED

Aliplast 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 sustainable product because, in addition to its long lifespan, it is infinitely recyclable without compromising quality. We use a mix of primary billets with the lowest possible carbon footprint and recycled aluminium billets for our systems. The energy required to recycle profiles (melting process) is only 5% of the initial energy needed to produce primary billets.

ALIPLAST NV
Waaslandlaan 15 | B - 9160 Lokeren | info@aliplast.com | www.aliplast.com

MC55-EN-202506