

FEATURES AND BENEFITS

- high thermal performance U_f from 0,8 W/m²K
- maximum glazing up to 48 mm
- large, wire-free glass areas
- wide range of finish options
- simple to fabricate and install
- selection of face caps to enable flexibility of design
- range of overlaying profiles of different shapes
- large selection of different windows and doors incorporated in the curtain walls including concealed window
- burglar resistance in the class WK2 and WK3
- compliance with CE marking requirements

TECHNICAL SPECIFICATION	MB-SR50	MB-SR50 PL	MB-SR50 EFEKT	MB-SR50 HI	MB-SR50 skylight window	MB-SR50 A
Mullions depth (range mm)	15 - 245	15 - 185	15 - 185	15 - 245	-	5
Transom depth (range mm)	5 - 185	5 - 145	5 - 145	5 - 185	-	5
Inertia mullions (range Ix)	3,92 - 1570,44 cm ⁴	3,92 - 701,89 cm ⁴	3,92 - 701,89 cm ⁴	3,92 - 1570,44 cm ⁴	-	0,79 cm ⁴
Inertia transoms (range Iz)	0,79 - 571,27 cm ⁴	0,79 - 263,46 cm ⁴	0,79 - 263,46 cm ⁴	0,79 - 571,27 cm ⁴	-	0,79 cm ⁴
Glazing width (mm)	24 - 48	28 - 32	28 - 32	26 - 44	10 - 32	5 - 40

PERFORMANCE	MB-SR50	MB-SR50 PL	MB-SR50 EFEKT	MB-SR50 HI	MB-SR50 skylight window	MB-SR50 A
Air Permeability	AE1200 (1200 Pa) EN 12153:2003; EN 12152:2002					
Windload resistance	2400 Pa EN 12179:2002; EN 13116:2002	1800 Pa EN 12179:2002; EN 13116:2002	1800 Pa EN 12179:2002; EN 13116:2002	2400 Pa EN 12179:2002; EN 13116:2002		
Watertightness	RE1200 (1200 Pa) EN 12155:2003; EN 12154:2002	RE1500 (1500 Pa) EN 12155:2003; EN 12154:2002	RE1500 (1500 Pa) EN 12155:2003; EN 12154:2002	RE1200 (1200 Pa) EN 12155; EN 12154	RE1500 (1500Pa) EN 2155:2003; EN 12154:2002	
Thermal insulation	from 1,3 W/m ² K	from 1,3 W/m ² K	Measured individually	from 0,8 W/m ² K	Measured individually	Measured individually
Accoustic insulation	to 46 dB	-	to 37 dB	to 52 dB	-	-



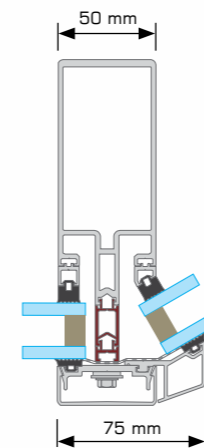
• U_f from 0,8 W/m²K

• Flexibility of design

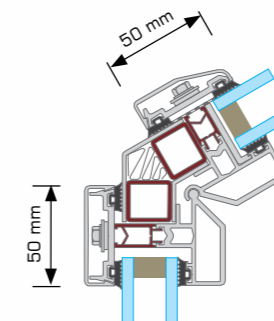
• Proven reliability

Curtain wall system

MB-SR50



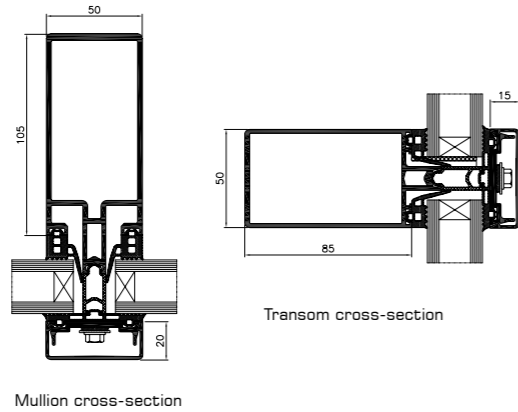
Angular Connection - cross-section



Transom cross-section (wall-roof)

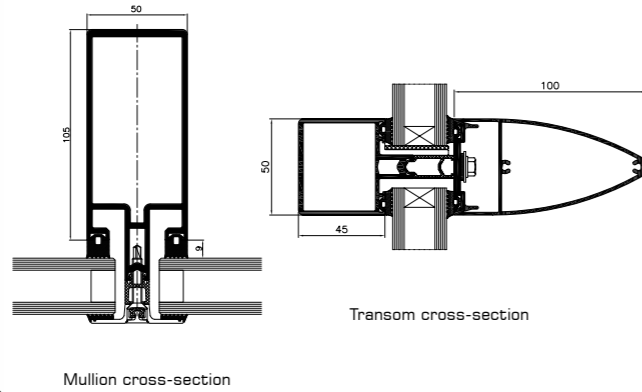
The MB-SR50 curtain wall system has been designed and engineered to meet the continuously growing need for high quality and superior performance. This multi purpose system is presented in a selection of mullions and transoms depths which in line with enhanced thermal performance and variety of external capping enables an architect or specifier for large flexibility of design. The range perfectly suites with Aluprof's window and door products and is appropriate for installation in low, medium and high rise buildings. It has already been successfully used in a great selection of buildings across Europe and beyond.

MB-SR50



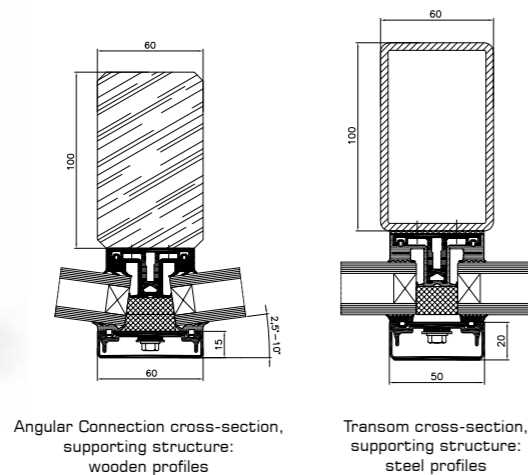
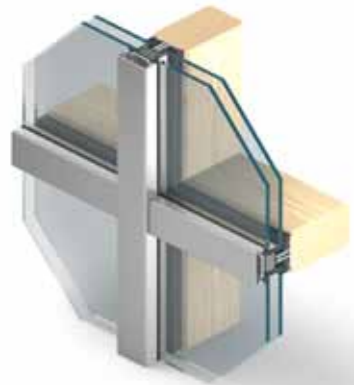
The base version of Aluprof's flagship curtain wall system offers great opportunities to meet individual project requirements. Due to large selection of profiles and accessories, the specifiers can bring their most bold architectural concepts into reality.

MB-SR50 PL



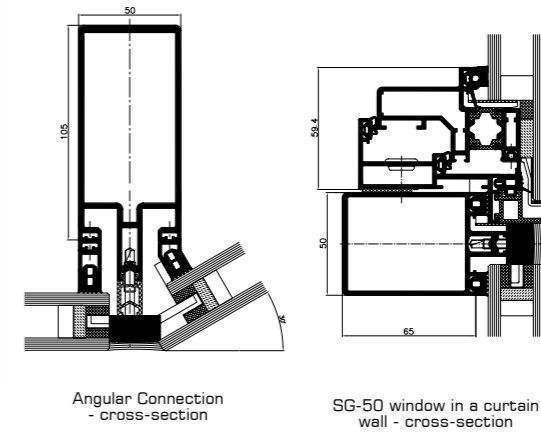
MB SR50 PL (horizontal or vertical cap) Aesthetic variety of curtain wall with variety of distinctive face caps that enable to highlight the horizontal or vertical features across the building envelope.

MB-SR50 A



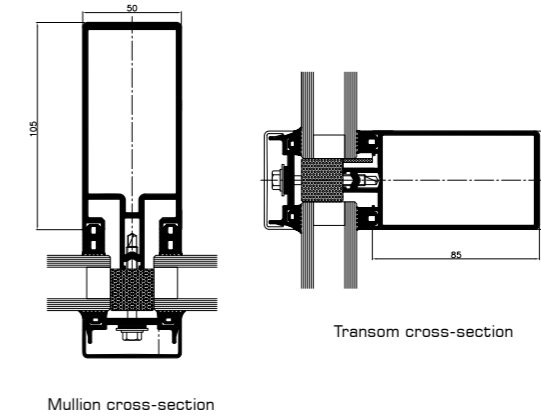
An overlay system variety that enables to construct the aluminum and glass envelope on the basis of steel or timber frame. It enables to combine the advantages of two different construction materials.

MB-SR50 EFEKT



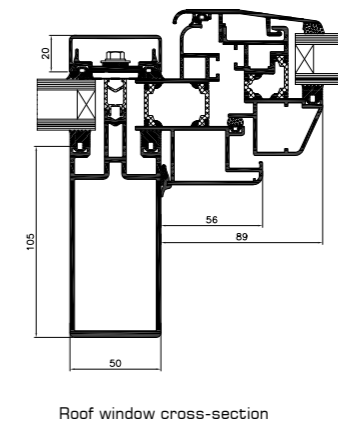
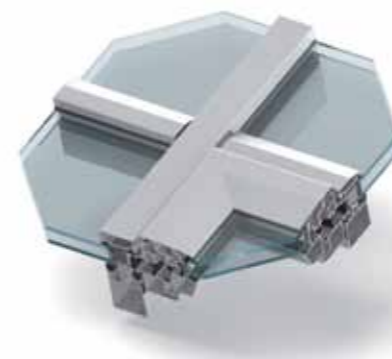
The system resembles the structural glazing curtain wall where you get uniformed glazed surface wall with horizontal and vertical sightlines made by 20 mm width recess between the panels.

MB-SR50 HI



Thermally enhanced variety featuring the rate U_f from $0,8 \text{ W/m}^2\text{K}$. It is accomplished through its innovative insulation inserts.

MB-SR50 Skylight Window



Being part of curtain wall system, it is designed to be installed in the roof of the angle from 5 to 75 degrees and serve as the vent hatchway.