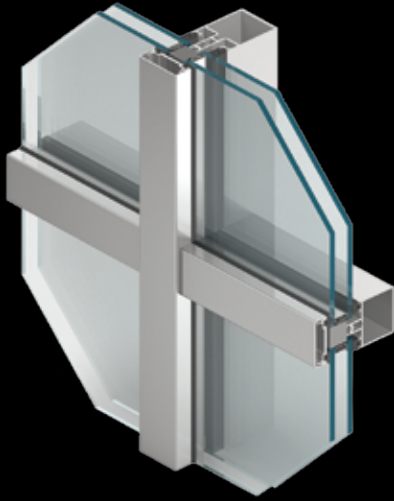


Façade systems

# MB-SR50 MB-SR50 HI

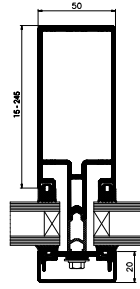


Such a high thermal insulating performance of this system has been achieved by replacing the HPVC continuous thermal insulator by the PE one, which is characterised by low lambda thermal conductivity and very good insulation parameters, and by having raised the height of the sealing in relation to that of the standard facade version. The **MB-SR50 HI** facade allows the use of glazing of 26-44 mm. In addition to the high thermal insulating power, it has also got very good tightness parameters for water (RE 1200 class) and air (AE(1050) class) infiltration. The wind resistance is 2400 Pa.

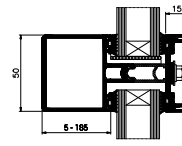
▪  $U_f$  from 0,8 W/m<sup>2</sup>K



## MB-SR50



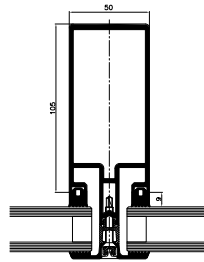
Mullion – cross-section



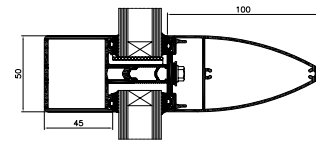
Transom – cross-section

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



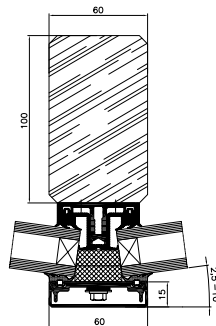
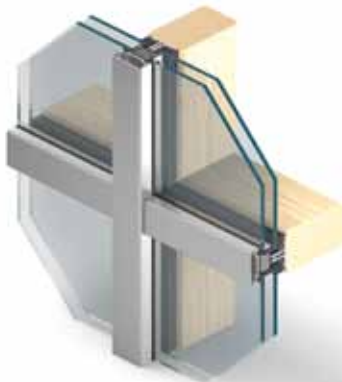
Mullion – cross-section



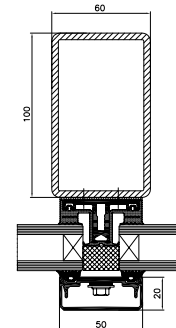
Transom – cross-section

MB-SR50 PL is available in a horizontal or vertical capped system. You can choose from a wide range of caps, including bullnose or flat strip as shown on the right.

## MB-SR50 A



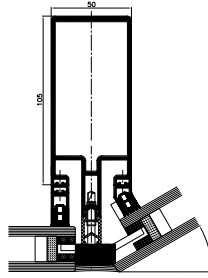
Angular Connection – cross-section,  
supporting structure:  
wooden profiles



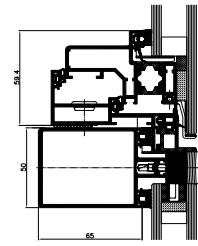
Mullion – cross-section,  
supporting structure:  
steel profiles

A plant on variation of the MB-SR50 to enable the client to fix to steel or timber framework.

## MB-SR50 EFEKT



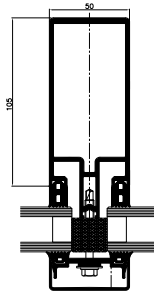
Angular Connection  
– cross-section



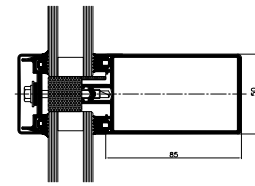
Window in a curtain wall  
– cross-section

The EFEKT is a toggle glazed system complete with silicone weather seal.

## MB-SR50 HI



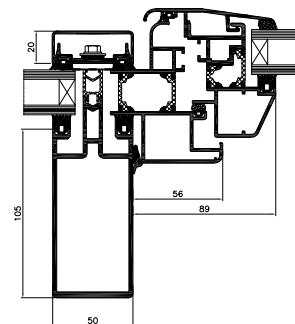
Mullion – cross-section



Transom – cross-section

Thermally enhanced variant of MB-SR50 utilising innovative insulation inserts resulting in frame U values of as low as 0,8 W/(m<sup>2</sup>K).

## MB-SR50 Roof window



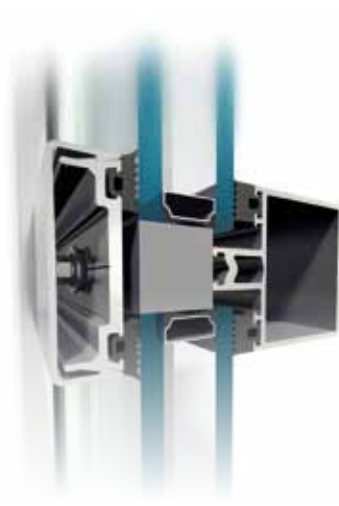
Roof window cross-section

Designed to be installed in rooflights of angles between 5 and 75 degrees.

## MB-SR50 / MB-SR50 HI / MB-SR50 A



MB-SR50



MB-SR50 HI



MB-SR50 A

### FEATURES AND BENEFITS

- high thermal performance  $U_f$  from 0,8 W/(m<sup>2</sup>K)
- 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 A
Mullions depth	15 – 245 mm		15 – 185 mm	15 – 245 mm	5 mm
Transom depth	5 – 185 mm		5 – 145 mm	5 – 185 mm	5 mm
Inertia mullions (range Ix)	3,92 – 1570,44 cm <sup>4</sup>		3,92 – 701,89 cm <sup>4</sup>	3,92 – 1570,44 cm <sup>4</sup>	0,79 cm <sup>4</sup>
Inertia transoms (range Iz)	0,79 – 571,27 cm <sup>4</sup>		0,79 – 263,46 cm <sup>4</sup>	0,79 – 571,27 cm <sup>4</sup>	0,79 cm <sup>4</sup>
Glazing width	24 – 48 mm		28 – 36 mm	26 – 44 mm	5 – 40 mm

PERFORMANCE	MB-SR50	MB-SR50 PL	MB-SR50 EFEKT	MB-SR50 HI	MB-SR50 A
Air Permeability	AE1200; EN 12153:2003; EN 12152:2002				
Watertightness	RE1500; EN 12155:2003; EN 12154:2002				
Windload resistance	2400 Pa EN 12179:2002; EN 13116:2002		1800 Pa EN 12179:2002; EN 13116:2002	2400 Pa EN 12179:2002; EN 13116:2002	
Thermal insulation ( $U_f$ )	from 1,3 W/(m <sup>2</sup> K)	from 1,3 W/(m <sup>2</sup> K)	from 1,1 W/(m <sup>2</sup> K)	from 0,8 W/(m <sup>2</sup> K)	Measured individually
Acoustic insulation ( $R_{wV}$ )	to 46 dB	to 50 dB	to 37 dB	–	–