



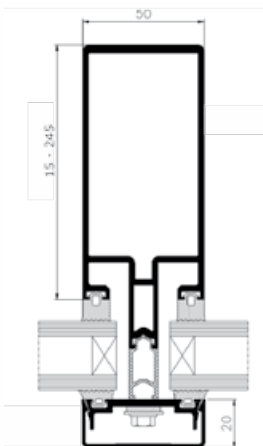
- U_f from 0,8 W/(m²K)

- Flexibility of design

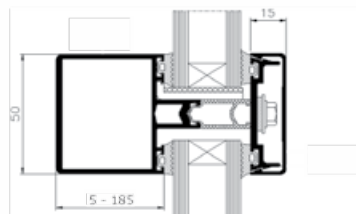
- Proven reliability

Curtain wall system

MB-SR50



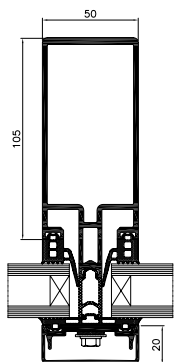
Mullion cross-section



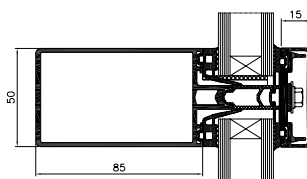
Transom cross-section

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 comes complete with a wide range of transoms and mullions which, in addition to enhanced thermal performances and a variety of external cap options, gives the architect or specifier flexibility during design stage. All of our window and door systems can be glazed into MB-SR50 effortlessly resulting in a fully functional facade perfect for any building requirement. The system has been installed on a large number of projects in the UK, Europe and beyond.

MB-SR50



Mullion cross-section

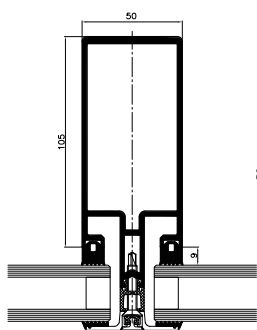
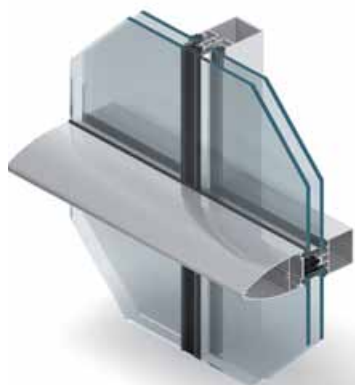


Transom cross-section

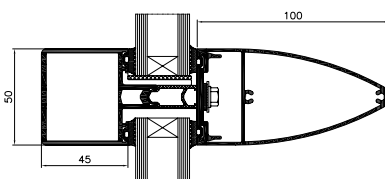


The base version of Aluprof's flagship curtain wall system offers great opportunities to meet individual project requirements. Due to large selection of profiles and accessories, the specifiers can bring their most bold architectural concepts into reality.

MB-SR50 PL



Mullion cross-section

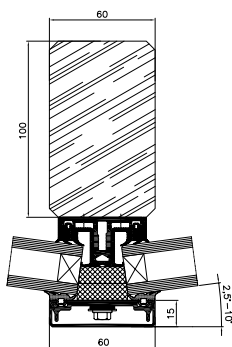


Transom cross-section

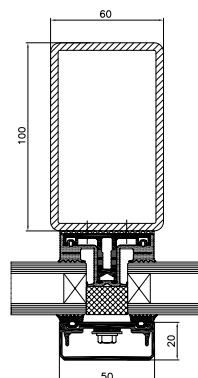


MB-SR50 PL is available in a horizontal or vertical capped system. You can choose from a wide range of caps, including bullnose or flat strip as shown on the right.

MB-SR50 A



Angular Connection cross-section,
supporting structure:
wooden profiles



Transom cross-section,
supporting structure:
steel profiles

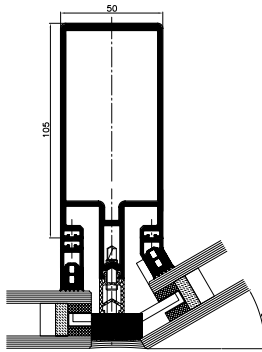


A plant on variation of the MB-SR50 to enable the client to fix to steel or timber framework.

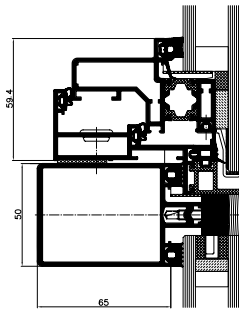
MB-SR50 EFEKT



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



Angular Connection
- cross-section



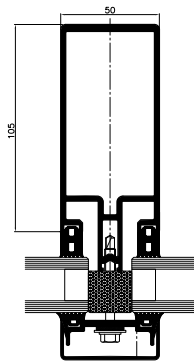
SG-50 window in a curtain
wall - cross-section



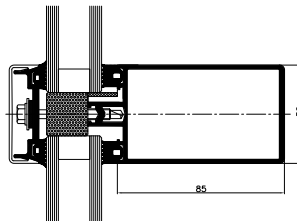
MB-SR50 HI



Thermally enhanced variant of MB-SR50 utilising innovative insulation inserts resulting in frame U values of as low as $0.8 \text{ W/(m}^2\text{K)}$.



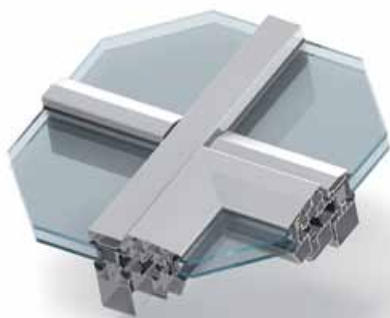
Mullion cross-section



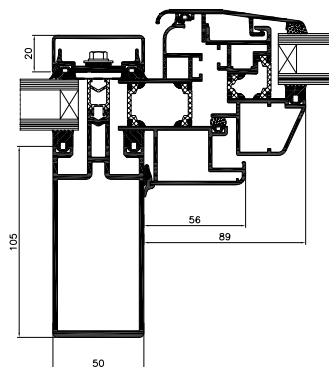
Transom cross-section



MB-SR50 Skylight Window



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



Roof window cross-section



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 - 245	-	5
Transom depth (range mm)	5 - 185		5 - 145	5 - 185	-	5
Inertia mullions (range lx)	3,92 - 1570,44 cm ⁴		3,92 - 701,89 cm ⁴	3,92 - 1570,44 cm ⁴	-	0,79 cm ⁴
Inertia transoms (range lz)	0,79 - 571,27 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	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		2400 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	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	-	-