

Structural wall system

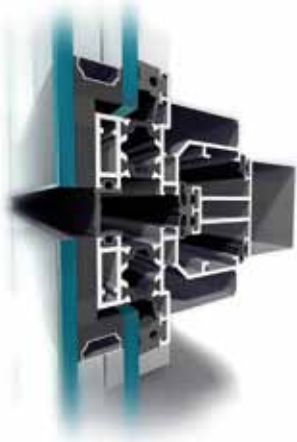
MB-SG50 MB-SG50 SEMI

The **MB-SG50** system enables us to build curtain walling systems completely glazed with no external visible aluminum giving an impression of all glass, smooth surface from the outside. They come as prefabricated units from the manufacturing site which ensures quality and reduces on site assembly. **MB-SG50** base system variety features glazing units integrated together with the use of silicone sealant. The system carries thermal barrier and triple insulation system of gaskets that provide enhanced thermal insulation as well as watertightness and air permeability. There is also available version of semi-structural **MB-SG50 SEMI**.

▪ *an excellent visual effect*



MB-SG50

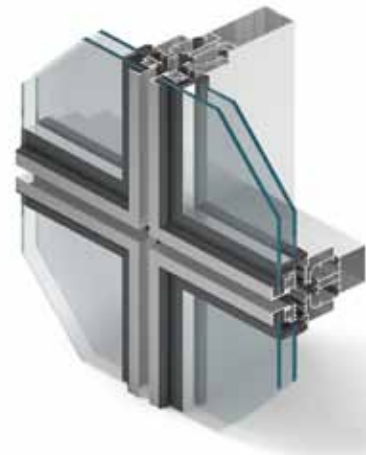


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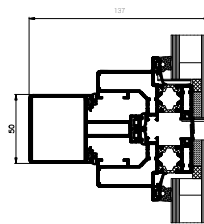
FEATURES AND BENEFITS

- aesthetically pleasant appearance – the gap between glazing unit is 16 mm.
- front glass joint silicone sealed
- opening window looks identical as a fixed light from outside
- mullion drainage

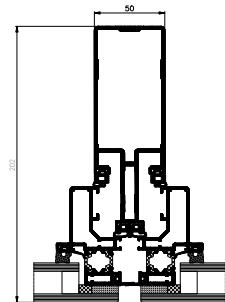
MB-SG50 SEMI



The MB-SG50 SEMI variety features key benefits of structural glazed curtain wall and at the same time offers delicate picture frame look when viewed externally.



Transom – cross-section



Mullion – cross-section

TECHNICAL SPECIFICATION	MB-SG50 / MB-SG50 SEMI
Mullions depth	85 – 125 mm
Transom depth	45 – 105 mm
Inertia mullions (range Ix)	81,06 – 315,40 cm ⁴
Inertia transoms (range Iz)	35,06 – 166,45 cm ⁴
Glazing rang	28 – 30 mm

PERFORMANCE	MB-SG50	MB-SG50 SEMI
Air Permeability	class A4, EN 12153:2002U; EN 12152:2002U	
Watertightness	class R7, EN 12155:2002U; EN 12154:2002U	
Windload resistance	1430 Pa EN 12179:2002U; EN 13116:2002U	1637Pa EN 12179:2002U; EN 13116:2002U
Thermal insulation (U _f)	Measured individually	