

**NEW  
&  
INNOVATIVE**

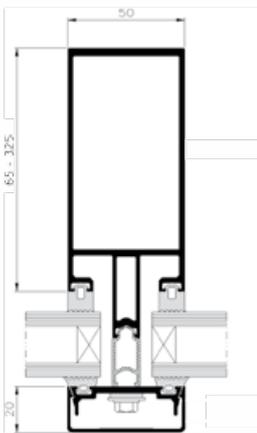
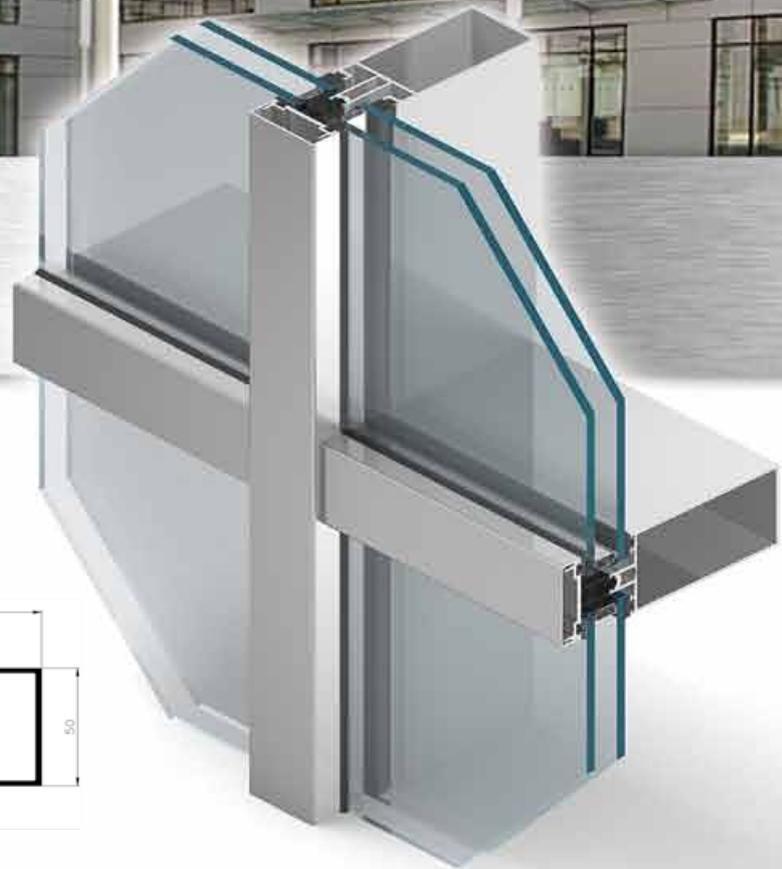
• High thermal insulation

• Large unit sizes

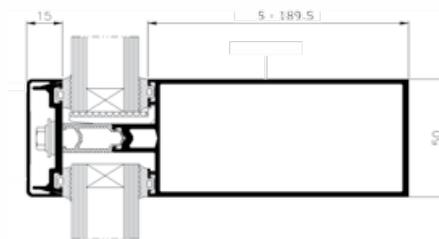
• Modern look

Curtain Wall System

**MB-SR50N**



Mullion cross-section +7,5°



Roof - transom cross-section

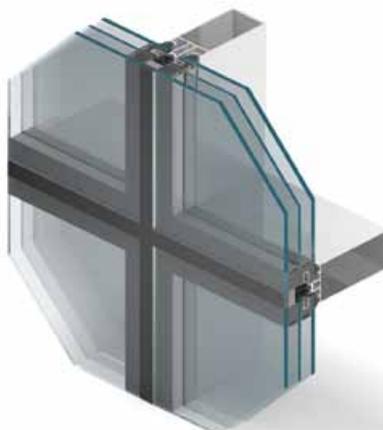
The new and improved MB-SR50N curtain wall system has been designed to meet the market needs for improved thermal insulation and higher load resistance that enables large glass units. The system is available in a variety of mullion and transom depths and greater selection of connectors which combined with thermal breaks, aesthetic external capping and renewed shape of mullions and transoms featuring straight angle corners provide flexibility of design and outstanding performance.

## MB-SR50N MB-SR50N HI



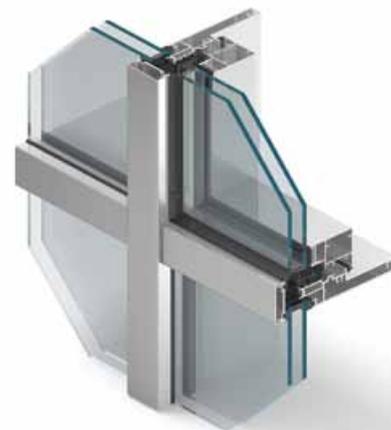
The basic system version and its variant with enhanced insulating power allow constructing façades with visible narrow parting lines while ensuring durability and strength of the structure. The wide offer of profiles enables the architects and designers to realise even the most enterprising ideas for aluminium and glass structures.

## MB-SR50N EFEKT



A curtain wall which uses toggles and channels to fix the glazing to provide a uniform appearance of a smooth glass wall divided by a structure of vertical and horizontal lines of a width of 2 cm. It is possible to use within it large and heavy one- or two-chamber glass in-fills, including laminated pane sets and non-transparent panels based on insulated glass.

## MB-SR50 IW



The Concealed Vent top hung open in gives the seamless appearance to the curtain wall. There are three varieties available using standard slats and flat slats and EFEKT like construction.

## FEATURES AND BENEFITS

- angle joints enabling the free shaping of aluminium structures
- posts and beams with 'sharp' edges allowing construction of curtain wall supporting structures with the appearance of a uniform truss
- aesthetic curtain wall varieties and a number of lining profiles of various shapes providing multiple curtain wall appearances
- a large choice of curtain wall opening elements: windows and doors of various types, including skylight windows and windows integrated with the curtain wall, as well as tilt and parallel opening MB-SR50N OW windows
- a wide glazing range along with the availability of insulators and accessories allowing a high level of curtain wall thermal insulation
- the possibility of bending profiles and creating use curved structures

TECHNICAL SPECIFICATION	MB-SR50N / MB-SR50N HI	MB-SR50N EFEKT	MB-SR50 IW
Mullions depth (range mm)	65 - 325		85 - 125
Transom depth (range mm)	5 - 189,5		89,5 - 129,5
Inertia mullions (range Ix)	54,62 - 4123,45 cm <sup>4</sup>		99,87 - 245,70 cm <sup>4</sup>
Inertia transoms (range Iz)	0,79 - 629,54 cm <sup>4</sup>		87,37 - 205,98 cm <sup>4</sup>
Glazing width (mm)	24 - 52		24 - 36

PERFORMANCE	MB-SR50N / MB-SR50N HI	MB-SR50N EFEKT	MB-SR50 IW
Air Permeability	AE1050 (1050Pa) / AE1200 EN 12153:2003; EN 12152:2002	AE1200 (1200Pa) EN 12153:2003; EN 12152:2002	
Wind load resistance	2400Pa / EN 12179:2002; EN 13116:2002		2400Pa / EN 12179:2002; EN 13116:2002
Impact resistance	I5/E5 (950N / 950N) PN-EN 14019		
Watertightness	RE1500 (1500Pa) EN 12155:2003; EN 12154:2002		RE1200 (1200Pa) EN 12155:2003; EN 12154:2002
Thermal insulation U <sub>f</sub>	from 0,9 W/m <sup>2</sup> K	Measured individually	from 1,6 W/m <sup>2</sup> K