

FEATURES AND BENEFITS

- window options include, open in side hung, bottom hung, pivot tilt & turn and Slide & Tilt. The Casement derivative provides open out options of top hung and side hung
- single or double doorsets available in open in or out
- lower cost door option
- glazing up to 40,5 mm
- wide range of finishes and colours, Anodises, Powder coated, dual colour and new Decoral wood grain finish
- dual color option
- multi-point locking
- Eurogroove to broaden the choice of hardware available
- suites with other Aluprof's MB systems allowing total design flexibility and project solutions

TECHNICAL SPECIFICATION	MB-59S	MB-59SE	MB-59S CASEMENT	MB-59S PIVOT
Depth of frame (door / window)	50 / 50	50	50	50
Depth of leaf (door / window)	50 / 59	50	59	59
Glazing range mm (fixed window and door / opening window)	4,5 - 31,5 / 4,5 - 40,5	4,5 - 31,5	4,5 - 31,5 / 4,5 - 40,5	4,5 - 31,5
Min visible width T-profile				
Door / window frame	38,5 / 47,5	45,5	33,5	61
Door / window leaf	72,5 / 34,5	67,5	72,5	61
Size limitations				
Maximum size of window (HxW)	H 2400 mm W 1250 mm	-	-	H 2000 mm W 2400 mm
Maximum size of door (HxW)	H 2300 mm W 1100 mm	H 2300 mm W 1000 mm	-	-
Max weight of doors / windows (kg)	100 / 130 kg	-	100 kg	180 kg
Types of constructions				
	Tilt window, turn window, tilt and turn window, Doors open out and open in	Economy doors	Top or side hung window	Pivot window with horizontal or vertical applications

PERFORMANCE	MB-59S	MB-59SE	MB-59S CASEMENT	MB-59S PIVOT
Air Permeability	Class 4 (500Pa) EN 1026:2001; EN 12207:2001	Class 2 (300Pa) EN 1026:2001; EN 12207:2001	Class 4 (500Pa) EN 1026:2001; EN 12207:2001	
Resistance to windload	Class RE (2400Pa) EN 12211:2001; EN 12210:2001	Class 3 (1200Pa) EN 12211:2001; EN 12210:2001	Class 5 (2000Pa) EN 12211:2001; EN 12210:2001	CE2400 (2400Pa) EN 12210:2001
Impact resistance	Class 3 (800N)	Class 4 (1000N)	-	-
Watertightness	Class EA1500 (1500Pa) EN 1027:2001; EN 12208:2001	Class 3A (100Pa) EN 1027:2001; EN 12208:2001	E1050 (1050Pa) EN 1027:2001; EN 12208:2001	A6750 (750Pa) EN 1027:2001; EN 12208:2001
Thermal insulation U_w (W/m ² K)	from 1,6	-	from 1,6	-

* U_w value based on standard GGF configurations and a 1,1 W/m² warm edge double glazed unit.



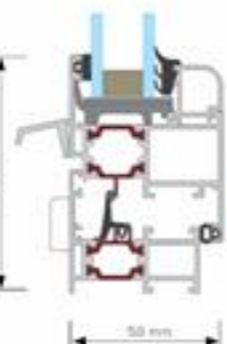
• Variety of applications

• Flexibility of design

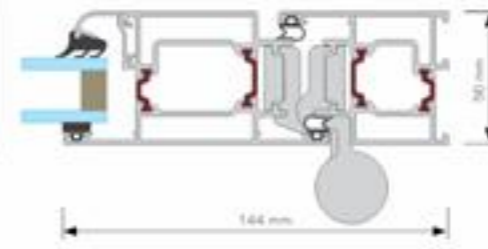
• Excellent weather performance

Window and door system

MB-59S



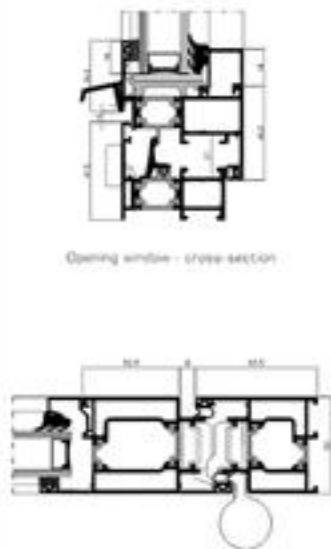
Opening window - cross-section



Door - cross-section

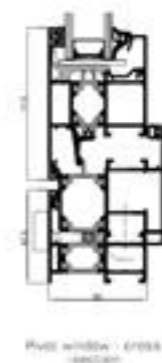
The MB-59S System has been designed to give architects an integrated window and door system, allowing flexibility of design whilst at the same time as providing good thermal and acoustic insulation. It is the starting point for any specifier and provides a multitude of options for window projects: Tilt&Turn, Tilt&Slide, side hung, bottom hung, pivot and also an open out option for top hung and side hung.

MB-59S



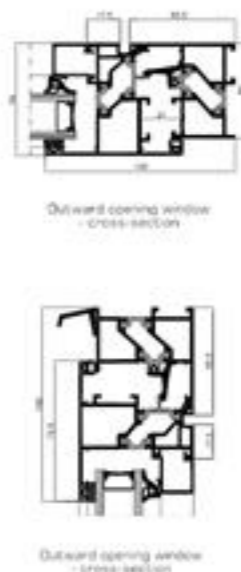
The standard tilt and turn variety offers great value for money. It is ideal for limited budget projects with basic thermal and acoustic requirements. It is suitable for installation in low or medium rise buildings for commercial and domestic, new build or refurbishment projects.

MB-59S Pivot



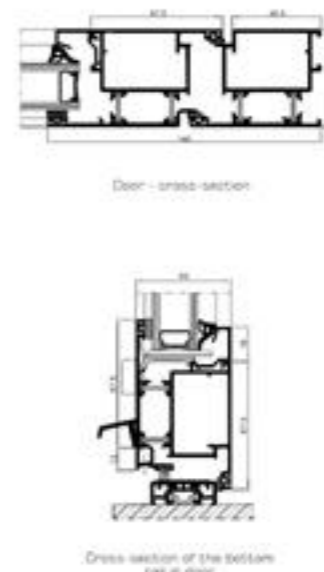
The pivot window is available in horizontal or vertical applications which makes it an appropriate window for most occasions. The compliance with safety and ventilation requirements makes the pivot the ideal choice for hospitals, schools and offices. It is greatly compatible with curtain wall systems for enabling easy and intuitive assembly to already set wall.

MB-59S Casement



The casement window features modern structure designed to get more out of its thermal performance in compliance with building regulations. It is available as a top or side hung window and has multi point locking and fixed restrictors with adjustable friction for enhanced security.

MB-59SE



This modern variety is designed for economy type of doors and combination of doors and windows that meet enhanced performance requirements.