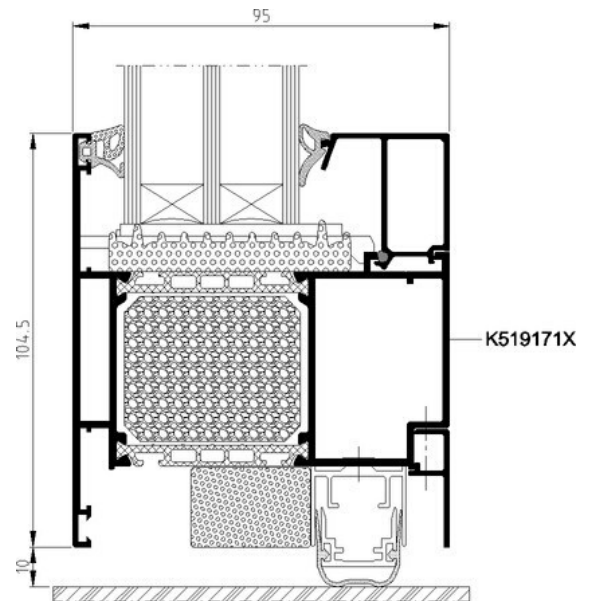
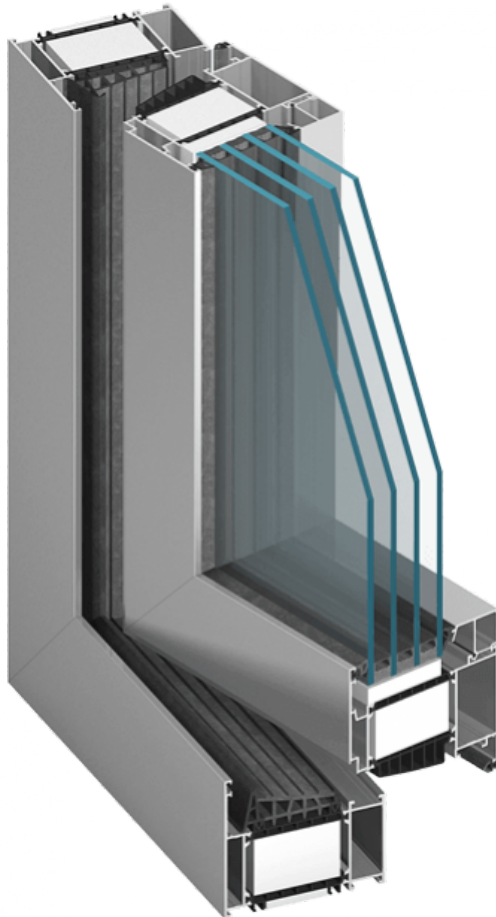


# PASIV HOUSE MB 104 PASSIVE

 **LOGIS**  
ALUMINIUM



Thanks to its excellent thermal performances, the thermally broken window system MB-104 Passive meets all the requirements for the components used in passive buildings. This was confirmed by certificates granted by the Passive House Institute PHI Darmstadt.

## THE HIGHEST THERMAL INSULATION PERFORMANCE

This system is intended for fabrication of external structure elements such as various types of windows, doors, shop fronts and spatial structures, which are highly resistant and characterized by excellent water & air tightness, and thermal & acoustic insulation performance.



## FEATURES AND BENEFITS

- windows certified by the Passive House Institute PHI Darmstadt (MB-104 Passive SI & MB-104 Passive Aero)
- excellent weather tightness & thermal insulation performance
- wide range of glazing, up to 81 mm allowing for triple and fourfold glazing units
- “Euro” grooves allow the fitting of most of the available hardware, both for aluminium and PVC windows
- can use surface, roller or concealed hinges
- expansion joint profiles for the door leaf
- 95 mm-wide threshold – the threshold and the frame have the same width
- anti-burglary windows and doors up to RC3 class

TECHNICAL SPECIFICATION	WINDOW MB-104 PASSIVE	DOOR MB-104 PASSIVE
Depth of frame	95 mm	95 mm
Depth of leaf	104 mm	95 mm
Glazing range	frame: 27 - 72 mm vent: 34.5 - 81 mm	27 - 72 mm

### MAX DIMENSIONS AND WEIGHT OF THE CONSTRUCTION

Maximum size of leaf (H×L)	H to 2900 mm L to 1700 mm	H to 3000 mm L to 1400 mm
Max weight of leaf	160 kg	200 kg

PERFORMANCE	WINDOW MB-104 PASSIVE	DOOR MB-104 PASSIVE
Air Permeability	class 4, PN-EN 12207:2001	class 4, PN-EN 12207:2001
Watertightness	to class AE 1800, PN-EN 12208:2001	class E1200 Pa, PN-EN 12208:2001
Thermal insulation	$U_w$ from 0,53 W/(m <sup>2</sup> K) *	UD from 0,53 W/(m <sup>2</sup> K) **
Wind load resistance	class C5/B5, PN-EN 12210:2001	class C5/B5, PN-EN 12210:2001
Burglary resistance	class RC1 to RC3, EN 1627	class RC1 to RC3, EN 1627

\* –  $U_w$  for MB-104 Passive Aero-based openable window casement size 1700 × 2100 mm, with glazing  $U_g=0.4$  W/(m<sup>2</sup>K)

\*\* – UD for panel door MB-104 Passive Aero casement size 1230 × 2180 mm



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