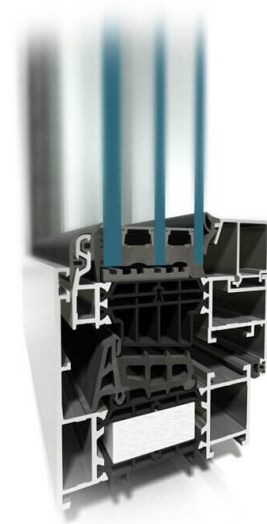
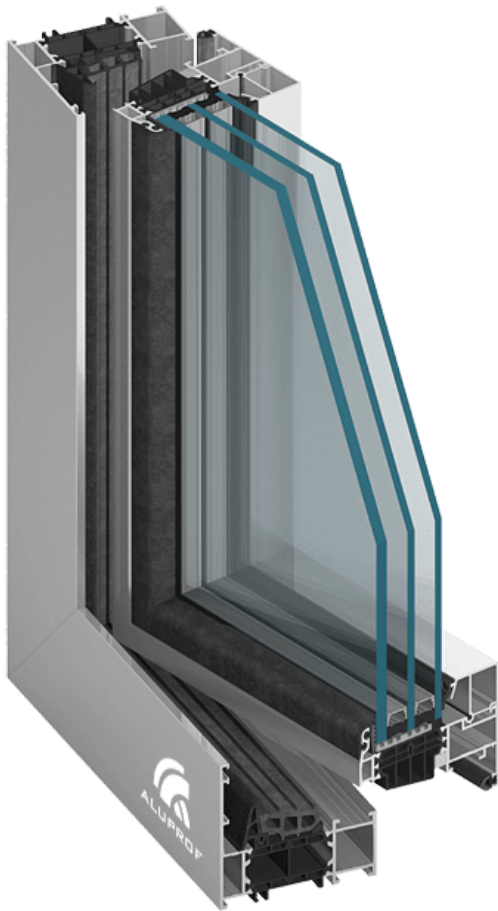


# PASIV HOUSE MB 86 US



The new MB-86 window and door series have been designed to offer outstanding insulation properties. It meets the increasing requirements from the legislative and general market demands for the enhanced energy saving construction of new windows and doors. Offered in three varieties ST, SI and AERO it is the first aluminum system to employ silica aerogel. The nanoporous material has a very high proportion of free void volume compared to conventional solid materials.

## INNOVATIVE NANOTECHNOLOGY

Its high pore volume, low solid content, and torturous path amorphous structure give rise to low values of thermal conductivity. Therefore the system features the industry leading thermal performance. In addition it also features exceptional rate of profiles inertia that allows for greater construction in size and weight.

Version with concealed sash (MB-86US) is also available.

## FEATURES AND AESTHETICS

- large selection of profiles
- newly shaped, extra thick thermal breaks
- multi component central gasket
- glazing strips with additional sealing option
- glazing up to 67.5 mm enabling all types of three chamber glazing, acoustic and security, anti burglary glazing
- large, wire-free glass areas
- appropriate for a variety of hardware including concealed hinges
- water draining available in both traditional and concealed options
- highly energy efficient from 0.5 W/(m<sup>2</sup>K)
- clean, sharp lines of narrow extruded aluminium framing
- multitude of finish options

TECHNICAL SPECIFICATION	MB-86US
Depth of frame	77 mm
Depth of leaf	80.8 mm
Glazing range	frame: 7 - 52 mm leaf: 15 - 60 mm

SIZE AND WEIGHT LIMITATIONS	
Maximum size (H×L)	H to 2500 mm L to 1600 mm
Max weight	150 kg

PERFORMANCE	MB-86US
Air Permeability	class 4, PN-EN 12207:2001
Watertightness	class E1350, PN-EN 12208:2001
Thermal insulation (Uf)	MB-86US ST from 1.03 W/(m <sup>2</sup> K) MB-86US SI from 1.01 W/(m <sup>2</sup> K) MB-86US AERO from 0.86 W/(m <sup>2</sup> K)
Wind load resistance	class C5, PN-EN 12210:2001



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