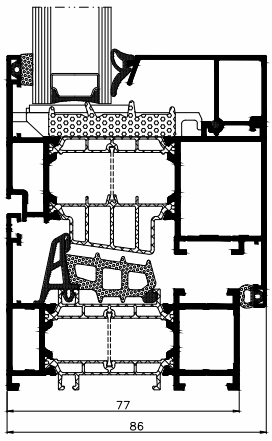
NEW & INNOVATIVE

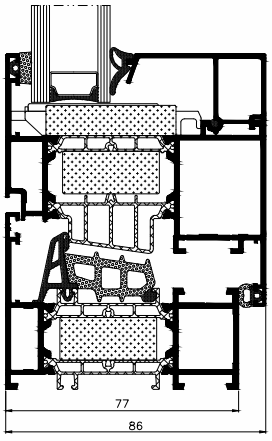
- U_f from 0,5 W/m²K
- Innovative Nanotechnology
- Large unit sizes

Window and door system

MB-86



Opening window MB-86 ST, SI



Opening window MB-86 AERO

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 that has a very high proportion of free void volume compared to conventional solid materials. 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 windows in size and weight.

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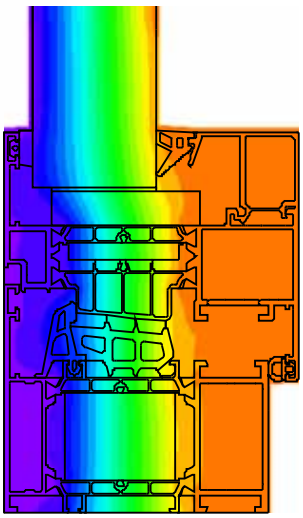
MB-86

MB-86 SI

MB-86 AERO



Distribution of isotherms
- MB-86 AERO variety

FEATURES AND BENEFITS

- 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 two chamber glazing, acoustic and security, anti burglary glazing
- large, wire-free glass areas
- appropriate for variety of hardware including concealed hinges
- water draining available in both traditional and concealed options
- highly energy efficient from 0,5 W/m^{2}K
- clean, sharp lines of narrow extruded aluminum framing
- multitude of finish options

TECHNICAL SPECIFICATION	MB-86
Depth of frame	77 mm
Depth of leaf	86 mm
Window glazing range (frame / leaf)	13,5 – 58,5 mm / 21 – 67,5 mm
Size and weight limitations	
Maximum size of window (HxW)	H 2800 mm W 1700 mm
Max weight of window	200 kg

PERFORMANCE	MB-86
Air Permeability	Class 4, EN 12207:2001
Watertightness	Class E 1500, EN 12208:2001
Thermal insulation window (U_f)	MB-86 ST from 1,3 W/m^{2}K MB-86 SI from 0,9 W/m^{2}K MB-86 AERO from 0,5 W/m^{2}K
Resistance to windload	Class C5 (2000Pa) EN 12211:2001; EN 12210:2001

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ALUMINUM SYSTEMS

Gk Grupa Kęty
The Member of GK Kety Group

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