TM 77HI - WINDOW AND DOOR SYSTEM WITH THERMAL INSULATION

тм 77 ні



TM 77HI - SYSTEM FEATURES

TM 77HI system is a safe and innovative solution that provides excellent parameters of thermal and acoustic insulation, safety, and protection against wind and water.

HIGH THERMAL INSULATION PROPERTIE

The separators between aluminium profiles ensure great thermal insulation properties.

Dedicated thermal insulators act as thermal insulation, in combination with infill of high thermal insulation properties.

Photo: Corner House, Warsaw Design: Biuro Designów Kazimierski i Ryba Sp. J., Warsaw Aluminium manufacturer: BUMA FACTORY, Cracow



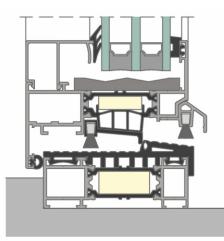


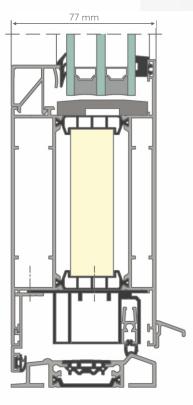
ADVANTAGES OF THE SYSTEM

- possibility of heating costs reduction,
- possibility of creating large-surface constructions with modern arrangement of facades and interiors
- easy to match with fittings elements and control elements,
- possibility of creating modern constructions of various shapes and configurations,
- \cdot possibility of achieving heat transfer factor as good as Uf=0,8 -1,5 W/m²K thanks to using unique thermal insulation solutions,
- possibility of making balcony door with low threshold,
- possibility of combination with other Yawal systems.

INWARDS OPENED DOOR CROSS-SECTION

EXAMPLE OF LOW THRESHOLD IN BALCONY DOOR





TECHNICAL PARAMETERS - TM 77HI		
	TM 77HI windows	TM 77HI doors
Air permeability	class 4 acc. to PN 12207	class 4 acc. to PN-EN 12207
Water tightness	E1650 acc. to PN-EN 12208	E900 acc. to PN-EN 12208
Heat transfer coefficient	Uf =0,8÷1,4 W/m²K acc. to PN-EN ISO 10077-2	Uf =0,9 \div 1,5 W/m ² K acc. to PN-EN ISO 10077-2
Acoustic insulation	39-48 dB acc. to PN-EN ISO 140-3	36-45 dB acc. to PN-EN ISO 140-3
Anti-theft protection	RC2, RC3, RC4	RC2, RC3
SYSTEM CHARACTERISTICS		
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Window structural depth	Frame profile	77 mm
Window structural depth		77 mm 86,4 mm
Window structural depth Door structural depth	Frame profile	
	Frame profile Sash profile	86,4 mm
	Frame profile Sash profile Frame profile	86,4 mm 77 mm