

TM
74
HI

INCREASED THERMAL INSULATION

TM 74HI - SYSTEM FEATURES

This system is dedicated to constructing doors, windows and display windows with high thermal insulation properties, to be used in apartment buildings, houses, public and industrial buildings.

Thermal insulators used in this system are made of polyamide reinforced with glass fibre, the space between insulators is additionally filled with polyurethane foam.

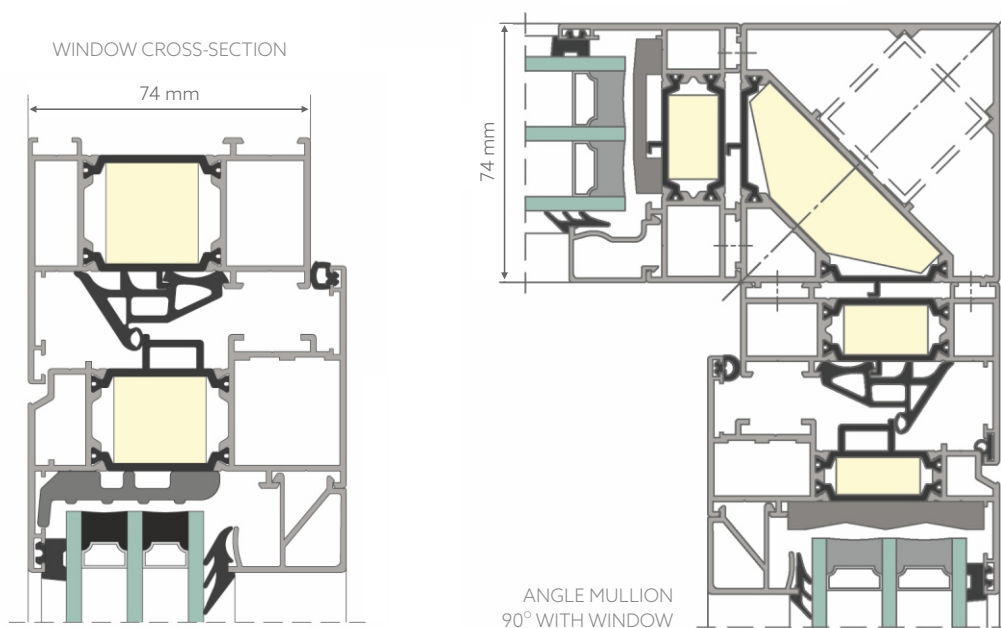
The system allows for creating constructions of large dimensions due to application of reinforced profiles arranged on the outside and inside.

Photo: Bałtyk Tower, Poznań
Design: MVRDV, Rotterdam / NO Natkaniec Olechnicki Architekci, Warsaw / BT TUSCHER, Gdynia
Aluminium manufacturer: Alglob Sp. z o.o., Dąbrowa near Poznań



ADVANTAGES OF THE SYSTEM

- optimizing of operation costs of the buildings due to thermal insulation of the profiles,
- possibility of creating modern window constructions in various configurations,
- possibility of profile bending,
- possibility of installing windows in facade systems,
- possibility of creating sets of constructions mounted at optional angle,
- possibility of using full range of modern fittings and individual handles or pull handles due to profiles of various width,
- possibility of using hidden hinges and remotely controlled locks due to used profiles of appropriate width,
- possibility of combination with other Yawal systems.



TECHNICAL PARAMETERS - TM 74HI

	TM 74HI windows	TM 74HI doors
Air permeability	class 4 acc. to PN-EN 12207	class 4 acc. to PN-EN 12207
Water tightness	E 1050 acc. to PN-EN 12208	E 900 acc. to PN-EN 12208
Heat transfer coefficient	$U_r =$ from 1,0 W/m ² K acc. to PN-EN ISO 10077-2	$U_r =$ from 1,2 W/m ² K acc. to PN-EN ISO 10077-2
Acoustic insulation	$R_w =$ 31÷44 dB acc. to PN-EN ISO 20140-3	$R_w =$ 28÷42 dB acc. to PN-EN ISO 20140-3
Anti-theft protection	RC2, RC2N, RC3	RC2, RC2N, RC3

SYSTEM CHARACTERISTICS

Window structural depth	Frame profile	74 mm
	Sash profile	83,4 mm
Door structural depth	Frame profile	74 mm
	Sash profile	74 mm
Glazing thickness	Frame profile	16÷58 mm
	Sash profile	25÷66 mm