

TM  
77N

WINDOW AND DOOR SYSTEM  
WITH THERMAL INSULATION



energy efficiency and economy

## TM 77N - SYSTEM FEATURES

- the possibility to choose from three thermal variants, tailored to the individual energy needs of the building,
- reduction of prefabrication time by 20%, thanks to the new sealing system, which significantly enhances production efficiency,
- a 20% reduction in prefabrication time, thanks to the new sealing system, which significantly enhances production efficiency,
- high energy efficiency achieved through excellent thermal parameters,
- the use of eco-friendly seals providing better thermal protection and reducing environmental impact,
- the option to equip with automation and access control systems, compatible with Smart Home systems, enabling remote control, e.g., via smartphones or voice assistants.



See the product  
on the website



Picture: Officer, Gdynia

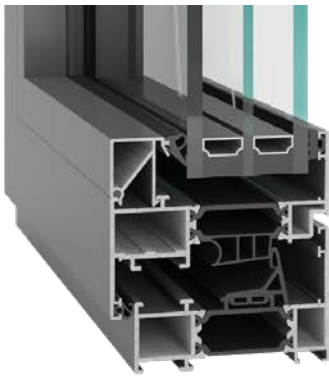
Design: arch. Jacek Droszcz, Studio Architektoniczne KWADRAT

Aluminium manufacturer: Aluminium Plus

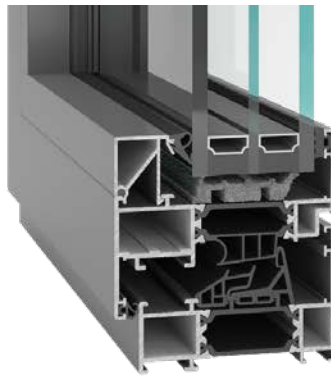
General contractor: ALLCON BUDOWNICTWO

TM 77N WINDOWS AND DOORS ARE AVAILABLE IN 3 THERMAL VARIANTS:

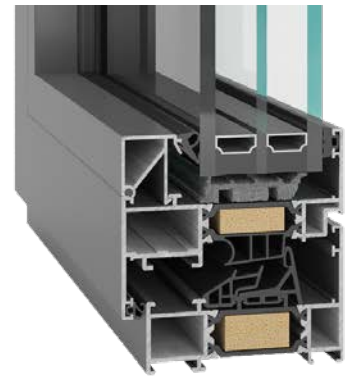
TM 77N ST



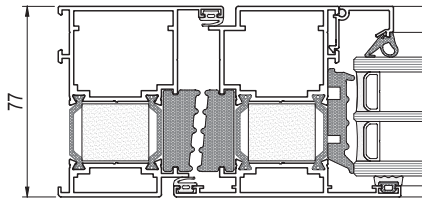
TM 77N I



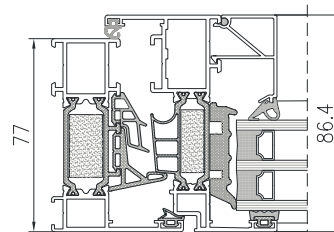
TM 77N HI+



CROSS SECTION OF  
TM 77N HI+ OUTWARD OPENING DOORS



SECTION THROUGH  
WINDOW TM 77N HI+



TM 77N - WINDOW AND DOOR SYSTEM  
WITH THERMAL INSULATION

#### TECHNICAL PARAMETERS - TM 77N

		WINDOWS	DOORS
ENERGY	Thermal insulation EN 10077-2	Uw from 0,62 W/m <sup>2</sup> K	Ud from 0,8 W/m <sup>2</sup> K
COMFORT	Acoustic insulation EN ISO 140-3	Rw = up to 49 dB	Rw = 36 ÷ 45 dB
	Air permeability EN 12207	Class 4	Class 4
	Water tightness EN 12208	E1950	E900
SAFETY	Wind load resistance EN 12210	Class C5	Class C5/B5
	Anti-theft protection EN 1627	RC2	RC3

#### TECHNICAL PROPERTIES - TM 77N

	WINDOWS	DOORS
Frame structural depth	77 mm	77 mm
Sash/leaf structural depth	86,4 mm	77 mm
Infill thickness	21 ÷ 70 mm	21 ÷ 61 mm
Maximum sash/leaf dimensions L x H	1600 x 3000 mm	1400 x 3000 mm/ 2400 x 2900 mm
Maximum sash/leaf weight	300 kg	250 kg
Structure type	walls, fixed, tilt, turn, tilt-and-turn, turn- and-tilt windows	single-leaf, double- leaf doors, doors with transom window and sidelights