TM
77N

WINDOW AND DOOR SYSTEM
WITH THERMAL INSULATION

YAWAL

energy efficiency and economy

TM 77N – SYSTEM FEATURES

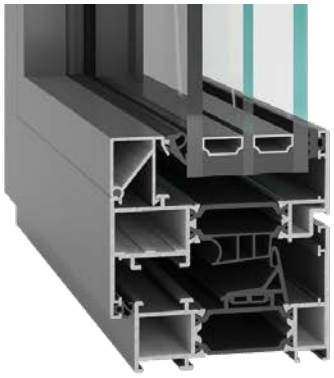
- the option to choose from three thermal variants tailored to the building's specific energy needs,
- a 20% reduction in prefabrication time due to the new gasket system, significantly enhancing production efficiency,
- high energy efficiency achieved through excellent thermal performance,
- the use of eco-friendly gaskets that provide better thermal protection and reduce environmental impact,
- the possibility to equip the system with automation and access control solutions compatible with Smart Home systems, allowing for remote control via smartphones or voice assistants.

See the product
on the website

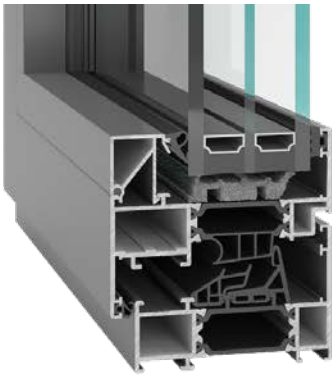
Picture: Officer, Gdynia
Design: arch. Jacek Droszcz, Studio Architektoniczne KWADRAT
Aluminium manufacturer: Aluminium Plus
General contractor: ALLCON BUDOWNICTWO

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

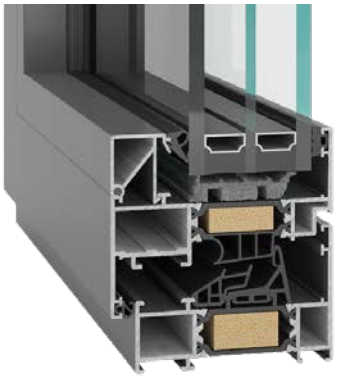
TM 77N ST



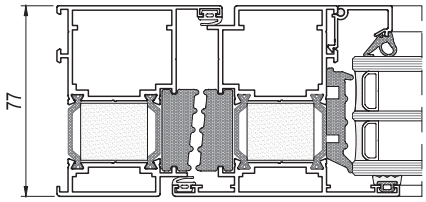
TM 77N I



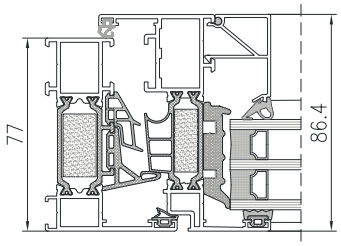
TM 77N HI+



SECTION THROUGH TM 77N HI+ DOOR OUTWARD-OPENING



SECTION THROUGH WINDOW TM 77N HI+



TECHNICAL PARAMETERS – TM 77N

		WINDOWS	DOORS
ENERGY	Thermal insulation EN 10077-2	Uw from 0,62 W/m²K	Ud from 0,8 W/m²K
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