

FA
50N
HI



HIGH THERMAL INSULATION PROPERTIES

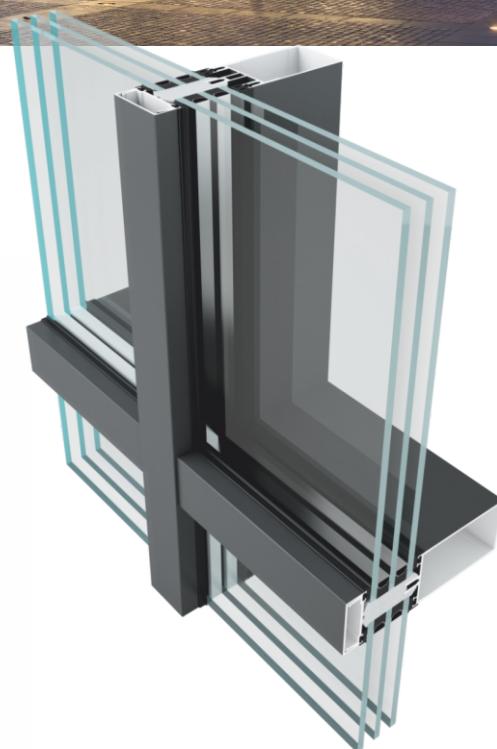
FA 50N HI - SYSTEM FEATURES

FA 50N HI is a system with highest thermal insulation properties, modern and energy-efficient, characterised by great water tightness and wind load resistance.

It is perfect for applications in office buildings or public buildings. It also provides uncountable architectural possibilities. This solution has the best parameters among all products of the same class available on the market.

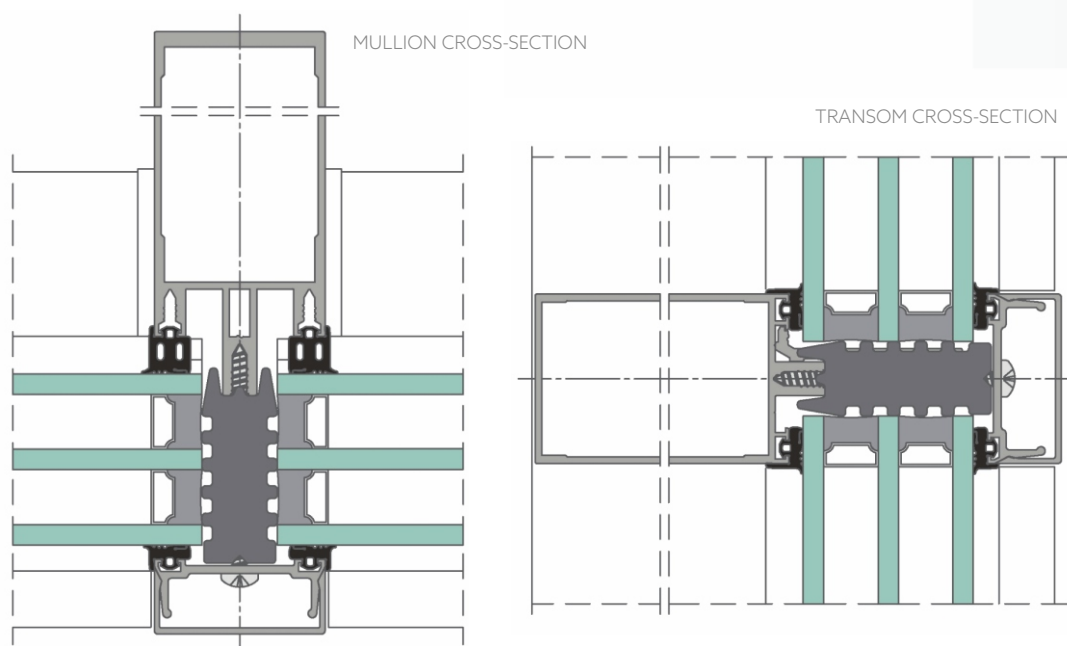
Unique system of foam insulation and possibility of using double-chamber glass panes allows for obtaining excellent thermal insulation properties.

Photo: Shoppin Centre - Posnania, Poznań
Design: B.E.G. INGENIERIE Polska Sp. z o.o.; Blue Architektura Sp. z o.o.; RTKL UK Ltd; WB PROJEKT
Aluminium manufacturer: DEFOR S.A.



ADVANTAGES OF THE SYSTEM

- allows for creating constructions of various shapes (turns, bends, polygonal shapes),
- complies with all valid standards concerning water tightness, thermal insulation and fire resistance,
- wide variety of masking strips allows for diversified final appearance of curtain walls,
- possibility of profile bending,
- reduction of heating costs,
- possibility of combination with other Yawal systems.



TECHNICAL PARAMETERS - FA 50N HI

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|---------------------------|---|
| Air permeability | class AE 1500 acc. to PN-EN 12152 |
| Water tightness | class RE 1800 acc. to PN-EN 12154 |
| Heat transfer coefficient | $U_f = 0,63 \text{ W/m}^2\text{K}$ acc. to PN-EN ISO 10077-2 |
| Wind load resistance | 2400 Pa acc. to PN-EN 13116 |
| Acoustic insulation | $R_w = 31\div 47 \text{ dB}$ acc. to PN-EN ISO 140-3 |
| Impact resistance | class I5, E5 acc. to PN-EN 14019 |
| Anti-theft protection | RC2, RC3, RC4 acc. to PN-EN 1627 |
| External visible width | 50 mm |
| Internal visible width | 50 mm |
| Glazing | fixed with termination bars and masking strips |
| Glazing thickness | 32÷62 mm |
| Opened elements | <ul style="list-style-type: none"> - outwards tilt / sliding windows FA 50N SW - inwards opened windows (FA 50N INV) - inwards opened windows in systems TM 62/TM 62HI , TM 74HI, TM 77HI - door TM 62/74/77/77 PRESTIGE, DP 100/150T/180, PI 50 + automatic door |