W450

Tilt & Turn Thermal Insulating System

Maximum energy saving.



OPENING SYSTEMS



System Identity

The W450 system belongs to the thermal insulation systems generation and has been designed with attention to detail in order to meet contemporary architectural needs for energy efficiency and safety. This line's wide range of profiles offer numerous innovative solutions, from flat to curved sections, as well as the ability to apply complex typologies such as "aller-retour" doors, rotating windows and opening frames with hidden sash in order to achieve a highlevel aesthetics.

The available profiles collaborate perfectly with high-quality components and mechanisms which underline the system's multifaceted and ergonomic nature.

The system's non-negotiable priority for maximum energy savings and high safety is ensured due to the possibility of perimeter locking and the use of 24 mm reinforced polyamides offering a Thermal insulation Index Uf=2.2-2.6 W/m²K and a Sound Reduction Index R_w of 43 dB.

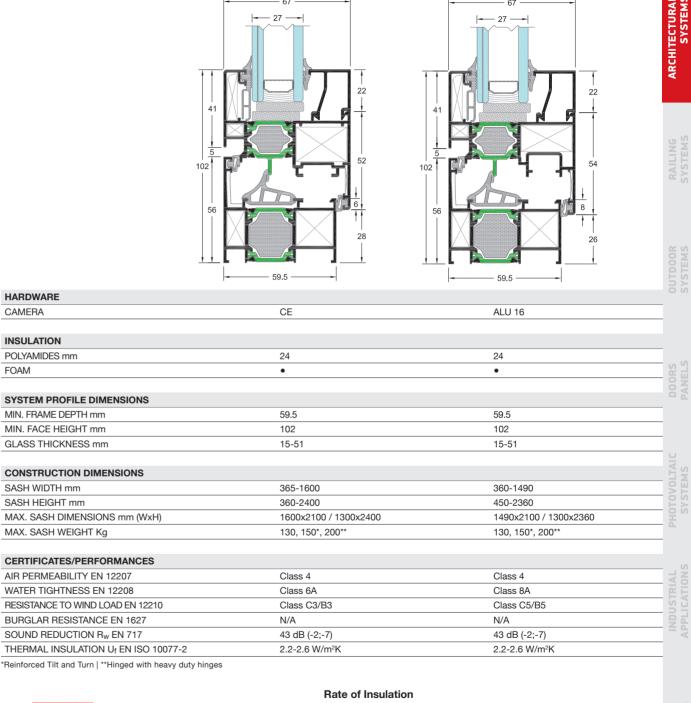
Thanks to its innovative features, the W450 system is extremely efficient, user-friendly, unique in its kind.

Features [®] Benefits

- The maximum security provided by the use of multiple locking combined with the high performance of thermal and sound insulation guarantee excellent guality, functionality and significant energy saving.
- Use of glass reinforced polyamides of 24 mm.
- Multi-chamber central gasket that secures optimum impermeability preventing energy loss.
- Option of using mechanisms CAMERA EUROPEA & CAMERA ALU 16 (stainless steel locking mechanism on perimetric system).
- Manufacturing capabilities with bead cutting of 45° and snap-joined bead for excellent aesthetic result to the inside of frames.
- "Curtain" gaskets that deliver extra thermal insulation.

Configurations

Casement windows
1Leaf - 2Leaf - 3Leaf - 4Leaf - Pivot
Casement-awning windows: 1Leaf - 2Leaf
Shutters: 1Leaf - 2Leaf - 3Leaf - 4Leaf
Doors: 1Leaf - 2Leaf - Aller Retour - Tilt & Slide (VW)
Angular structure: 90°-224°
Fixed-picture windows
Combinations
2Leaf sliding SL200 & SL2450 with opening W450
2Leaf sliding with insect screen SL200 with opening W450



 $U_{w}=1.4 \text{ W/m}^{2}\text{K}$

1600x2400 with Ug=0.6 W/m2K

Glass type: 5/16 (ARGON) / 3+3



CAMERA

FOAM



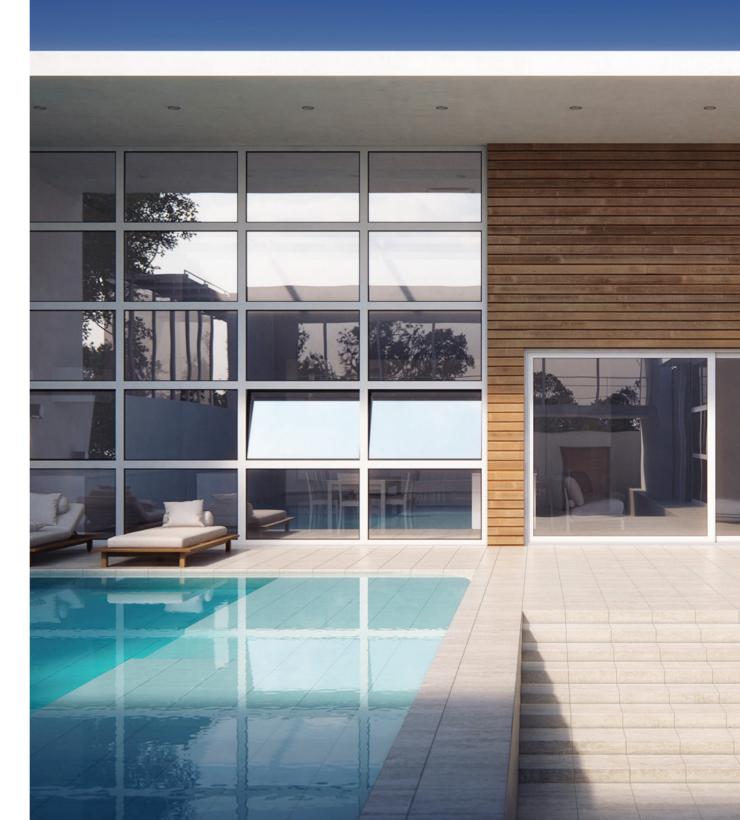
W450HS

Tilt & Turn Thermal Insulating System

An exceptional aesthetic result.



OPENING SYSTEMS



System Identity

The system W450 HS fully safeguards the sense of simplicity, pure and elegant aesthetic effect.

Reference point is the use of the least possible visible aluminum which gives the system a sense of grandeur.

The muscular appearance confirms the dynamic orientation of the series and the attention to detail is reflected, in addition to aesthetics. to the practicality and usability of the system.

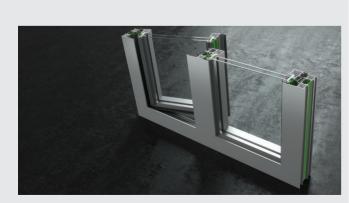
Features & Benefits

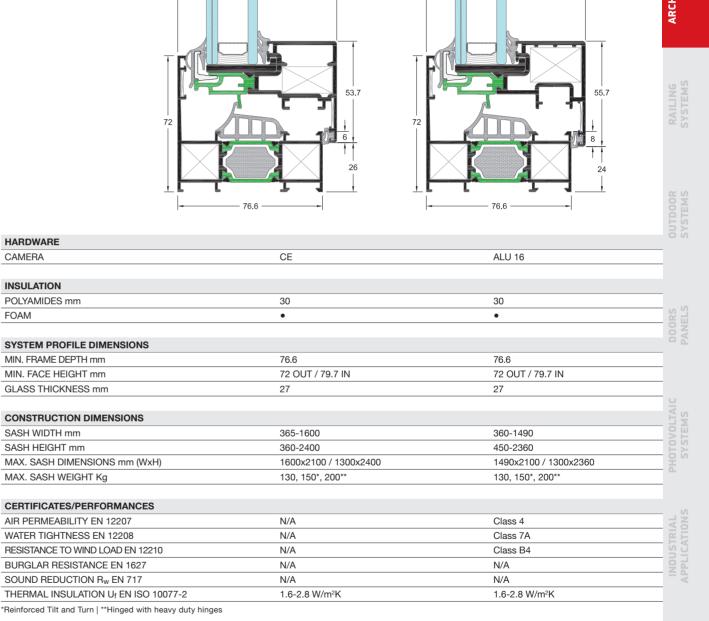
- Hidden sash with frame height 72 mm
- Use of glass reinforced polyamides of 30 mm
- High thermal insulation
- Frameless hinged robust constructions of special design

Configurations

Casement-awning windows

1Leaf - 2Leaf & 1Leaf with fixed





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Rate of Insulation $U_{w}=1.76 \text{ W/m}^{2}\text{K}$

Thermal conductivity coefficient has been calculated for the construction: 1600x2200 with U_{α} =1.1 W/m²K Glass type: 3+3 /16(ARGON)/5

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