

**ALUMINCO<sup>®</sup>**

ALUMINIUM  
BUILDING  
SYSTEMS





WE ARE  
A PART OF  
TOMORROW





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# COMPANY PROFILE

## ALUMINCO is among the top suppliers of innovative architectural aluminium systems

ALUMINCO S.A. was established in 1982, to meet the increasing demand for innovative products and bring life to the aluminium systems. Its vision was to become a premium, worldwide Aluminium supplier of systems that meet evolution.

By constantly investing in new technologies and placing great emphasis on research and development, ALUMINCO has developed and consolidated hundreds of aluminium products, many of which are unique in their kind, with many innovations and patents.

In ALUMINCO we implement Quality, Environmental, Occupational Health & Safety and Energy Management Systems certified according to international standards ISO 9001, ISO 14001, ISO 45001 and ISO 50001 respectively, as well as Factory Production Control System certified according to EN 15088, EN 1090 and Qualicoat Seaside Class. All product series are approved by internationally recognized certification institutes for their outstanding characteristics and performance.

Today, the ALUMINCO Group is among the largest Greek aluminium industries and among the most recognized worldwide, with 3 factories in Oinofita, Viotia and Kalochori, Thessaloniki, with a total area of 150,000 sq.m. with the most modern production lines, 4 subsidiaries, privately owned branches and more than 2,500 points of sale, while it has a total of more than 400 employees.

### We are a Part of Tomorrow

“We are a Part of Tomorrow” is our moto and our commitment towards our clients for an ever going on development and evolution.

Providing inspiring and innovative products is our contribution to satisfy the demanding needs of the homeowners and strengthen our position in the market.

However, our achievements would not have the same value if it wasn't for teamwork. Prestigious awards and international recognitions reflect our excellence as far as design, innovation, and technology are concerned.

### International presence and recognition

ALUMINCO's network covers a significant number of European countries as well as Africa, Middle East, Australia and the U.S.A, and stretches its boundaries in more than 60 countries worldwide.

Our exports represent the 55% of the company's turnover with a constant increase due to extroversion and penetration into new markets. Analyzing local needs and selecting the right partners has created brand awareness all over the world.







# ALUMINCO PROJECTS

We are proud to be part of many prestigious projects featuring ALUMINCO systems not only in the domestic market but in many other countries. Each project is a masterpiece of architectural and ergonomic design.

Regardless of the size and complexity of the project, we are dedicated to offer the highest level of professional support to make your project a flagship in architecture and energy saving.

Discover the added value of ALUMINCO systems and free your mind on the future of buildings with the special edition of “Selections”!

Every project is a new challenge. Our experienced Consulting Engineers are always at your disposal, providing special design solutions for your project, while the available advanced aluminum system solutions can meet even the highest requirements. Our knowhow in designing and providing high efficiency aluminium systems, is to the benefit of every potential customer.

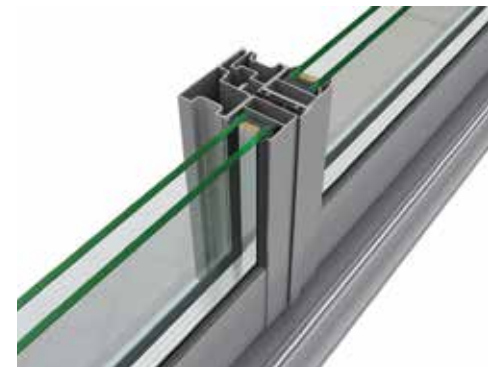
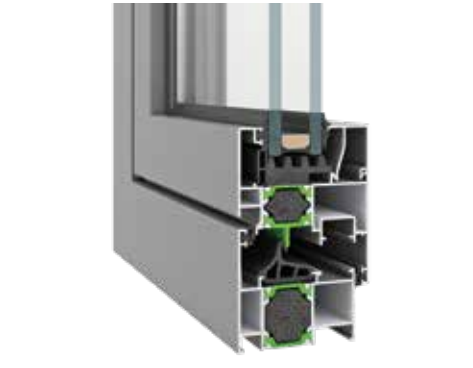
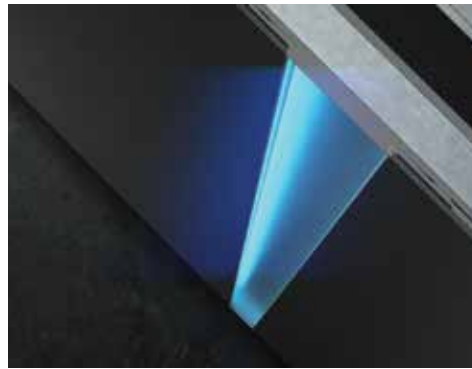
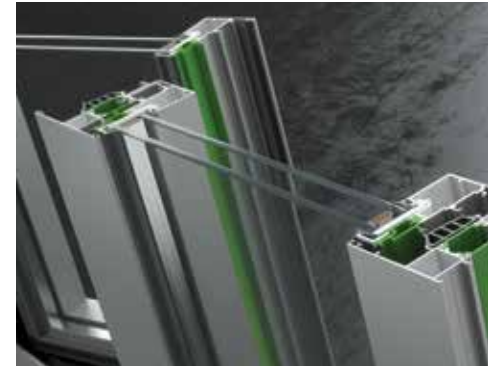
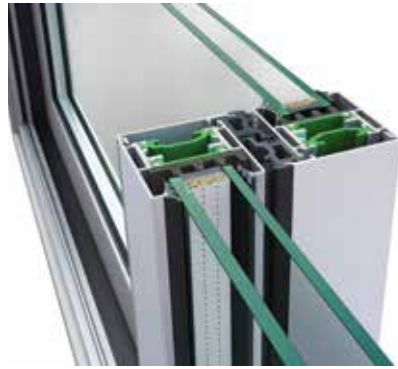
**Be inspired by the iconic projects which have chosen to implement ALUMINCO systems and know-how.  
Make your project the next ALUMINCO flagship showcase project!**

## GREECE

- Pfizer Hellas Head Offices, Neo Psychiko, Attica
- The Wave Offices Building, Syngrou Andrea Avenue, Attica
- Isla Brown Corinthia Resort & Spa, Korinthos
- New Terminal Thessaloniki Airport, Thessaloniki
- The Syntopia Hotel, Rethymno, Crete
- Residential Apartments, Agia Paraskevi, Attica
- 40s Restaurant, Astir Beach, Vouliagmeni, Attica
- Kefalonia International Airport Anna Pollatou, Kefalonia
- Movenpick Resort & Thalasso, Crete
- The Nidus / Passive House Residence, Kalamata, Messenia
- Daelia Luxury Villas, Plomari, Lesbos
- Sivota Diamond Spa Resort 5\*, Sivota, Thesprotia
- Las Hotel & Spa, Sparta, Laconia
- National Centre for Scientific Research Demokritos, Agia Paraskevi, Attica

## ABROAD

- Pristina City Center, Residential Towers, Pristina, Republic of Kosovo
- Soho City, Luxury Apartments, Bar, Montenegro
- One Tower Pafilia, Residential Apartments, Limassol, Crete
- Six Senses La Sagesse, Hotel Spa Resort, Grenada, Caribbean
- Yellowstone Boulevard, Apartments, New York, USA
- Cabrits Resort & Spa, Dominica, Caribbean
- KAA Gent Ghelamco Arena, Belgium
- Croydon Apartments, East London, Great Britain
- Centara Grand Azuri Resort & Spa, Mauritius
- Andriake Hotel, Antalya, Turkey
- Ocean Club Hotel, The Bahamas, North America
- Mega Mall, Bucharest, Romania
- Falkensteiner Hotels and Residences, Croatia
- Plovdiv Plaza, Plovdiv, Bulgaria



# ARCHITECTURAL SYSTEMS

Our aluminium architectural systems are on the top line of our product range, with an undisputable quality and performance, surpassing any expectations.

Our goal is to provide systems which combine ergonomic design, comfort, security and energy efficiency which is so important to very segment of our market. These features are all prominent in ALUMINCO systems.

All the systems in this category incorporate the latest state-of-the-art technology and are designed to meet real-world needs while offering unprecedented personalization and adaptation capacity.

The company's R&D department, which constitutes the heart of evolution and upgrading of architectural systems, designs, develops, tests, and then obtains certification for its products from accredited institutes and international recognized organizations.

**Discover on the following pages, the technologically advanced architectural aluminum systems of excellent functionality and top aesthetic for an easier, better, safer and more sustainable life!**



# W400

**Tilt & Turn System**  
High level of flexibility.



## System Identity

The W400 system is a lightweight, versatile, non-insulated system whose main characteristics are its flexibility and the easy adaptation to a wide variety of applications.

Its harmonious design from curved lines that lead to straight and flat surfaces combines traditional with modern look, offering many functional values. In cooperation with the SL205 system, "school" type windows (sliding window with opening skylight) can be created. Thanks to the solutions offered by the W400, it proves to be an extremely efficient system both for its durability and functionality.

## Features & Benefits

- Compatible with the SL205 system.
- Ideal for large-scale requirements since it offers easy and fast installation.
- Possibility for corner constructions, windows and opening - sliding frames.
- Large variety of shutters for all possible typologies.

## Configurations

### Casement windows

1Leaf - 2Leaf - 3Leaf - 4Leaf

### Casement-awning windows

1Leaf - 2Leaf

**Shutters:** 1Leaf - 2Leaf - 3Leaf - 4Leaf

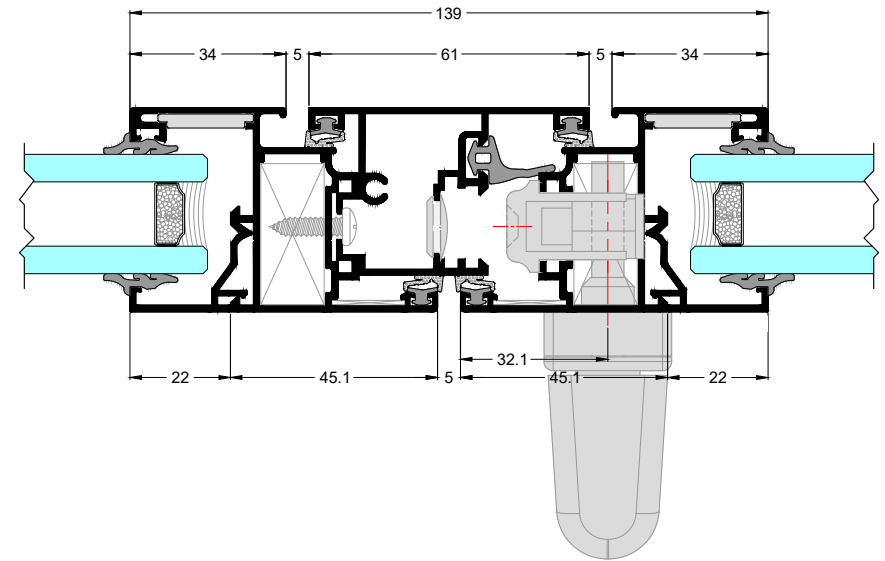
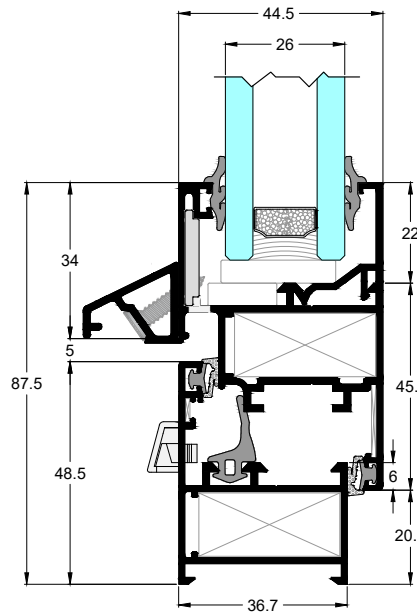
**Doors:** 1Leaf - 2Leaf

**Angular structure:** 30°-190° with Ø50 & 7°-205° with Ø60

### Fixed-picture windows

### Combinations

2Leaf sliding SL205 with opening W400



## HARDWARE

CAMERA CE

## SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	36.7
MIN. FACE HEIGHT mm	87.5
GLASS THICKNESS mm	4-26

## CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1100
SASH HEIGHT mm	360-2200
MAX. SASH DIMENSIONS mm (WxH)	1100x2000 / 900x2200
MAX. SASH WEIGHT Kg	100

## CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 3A
RESISTANCE TO WIND LOAD EN 12210	Class C3



FLAT CURVED



# W540

## Tilt & Turn System

Affordable quality and compatibility.



## System Identity

Particularly emphasizing on design, resistance and functionality, the system has been principally designed in order to facilitate the construction procedure and reduce the installation time. W540 can be realized with all types of inward and outward opening windows and doors, with an extensive choice of different mechanisms.

These characteristics place W540 among the most flexible, affordable non-insulated systems of the market. The numerous combinations of elements make W540 extremely suitable for all types of building concepts.

## Features & Benefits

- Robust and durable system of elevated functionality
- Numerous aesthetic options from profiles in straight and curved cross sections
- Exceptional water tightness characteristics

## Configurations

### Casement windows

1Leaf - 2Leaf - 3Leaf - 4Leaf

### Casement-awning windows

1Leaf - 2Leaf

**Shutters:** 1Leaf - 2Leaf - 3Leaf - 4Leaf

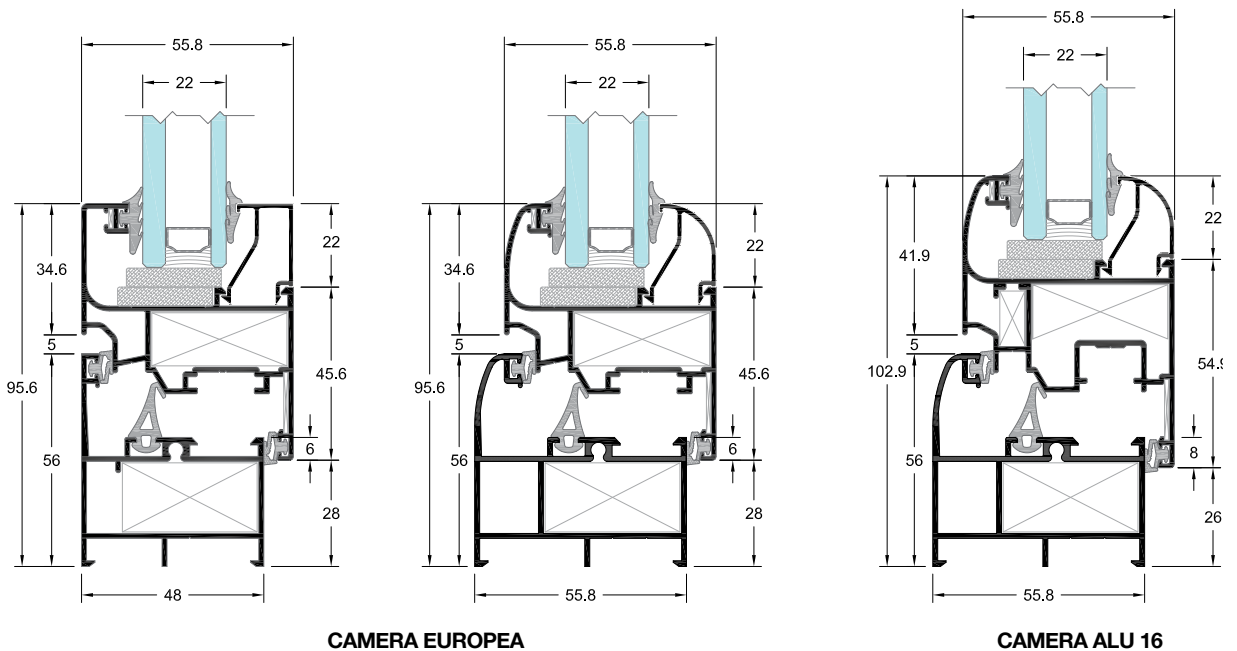
**Doors:** 1Leaf - 2Leaf - Tilt & Slide (VW)

**Angular structure:** 35°-175° with Ø60

### Fixed-picture windows

### Combinations

2Leaf sliding with insect screen SL320 with opening W540



## HARDWARE

CAMERA	CE	ALU 16
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## SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	48	55.8
MIN. FACE HEIGHT mm	95.6	102.9
GLASS THICKNESS mm	4-32	4-32

## CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1600	360-1490
SASH HEIGHT mm	360-2400	450-2360
MAX. SASH DIMENSIONS mm (WxH)	1600x2100 / 1300x2400	1490x2100 / 1300x2360
MAX. SASH WEIGHT Kg	130, 150*, 200**	130, 150*, 200**

## CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 3	Class 4
WATER TIGHTNESS EN 12208	E750	Class 8A
RESISTANCE TO WIND LOAD EN 12210	Class C5	Class C4
BURGLAR RESISTANCE EN 1627	RC2/RC2N	RC2

\*Reinforced Tilt and Turn | \*\*Hinged with heavy duty hinges

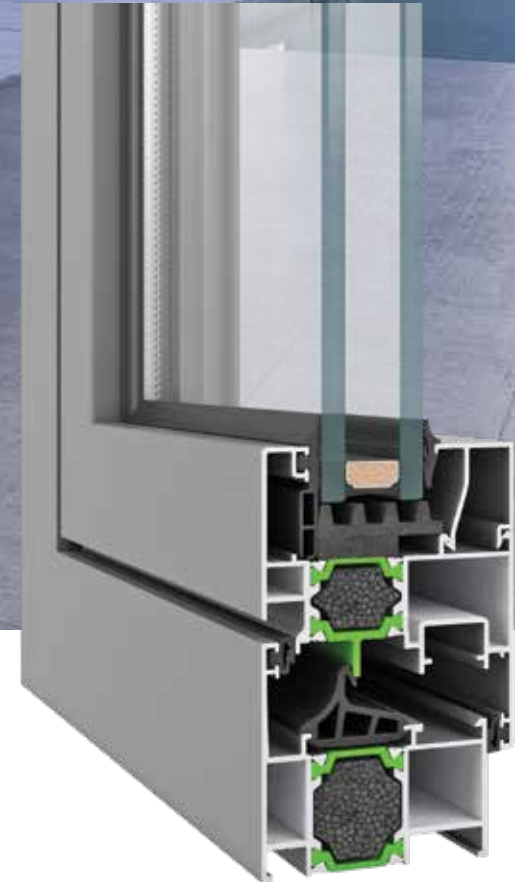


FLAT CURVED



**W450**

**Tilt & Turn Thermal Insulating System**  
Maximum energy saving.





## 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 high-level aesthetics.

The available profiles collaborate perfectly with high-quality components and mechanisms which underline the system's multi-faceted 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  $U_f=2.2-2.6$  W/m<sup>2</sup>K and a Sound Reduction Index  $R_w$  of 43 dB.

## Features & Benefits

- The maximum security provided by the use of multiple locking combined with the high performance of thermal and sound insulation guarantee excellent quality, functionality and significant energy saving.
- Use of glass reinforced polyamides (PA66 GF25) 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

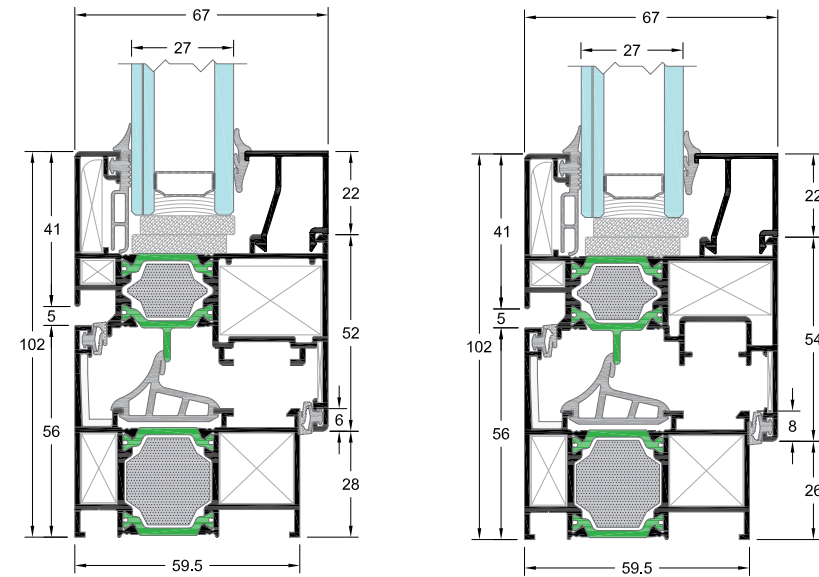
### Combinations

2Leaf sliding SL200 & SL2450 with opening W450

2Leaf sliding with insect screen SL200 with opening W450



FLAT CURVED



### HARDWARE

CAMERA	CE	ALU 16
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### INSULATION

POLYAMIDES mm	24	24
FOAM	■	■

### SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	59.5	59.5
MIN. FACE HEIGHT mm	102	102
GLASS THICKNESS mm	15-51	15-51

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1600	360-1490
SASH HEIGHT mm	360-2400	450-2360
MAX. SASH DIMENSIONS mm (WxH)	1600x2100 / 1300x2400	1490x2100 / 1300x2360
MAX. SASH WEIGHT Kg	130, 150*, 200**	130, 150*, 200**

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 4	Class 4
WATER TIGHTNESS EN 12208	Class 6A	Class 8A
RESISTANCE TO WIND LOAD EN 12210	Class C3/B3	Class C5/B5
SOUND REDUCTION $R_w$ (C;C <sub>tr</sub> ) EN ISO 140-3	43 (-2;-7) dB	43 (-2;-7) dB
THERMAL INSULATION $U_f$ EN ISO 10077-2	2.2-2.6 W/m <sup>2</sup> K	2.2-2.6 W/m <sup>2</sup> K

\*Reinforced Tilt and Turn | \*\*Hinged with heavy duty hinges



### Rate of Insulation

**$U_w=1.4$  W/m<sup>2</sup>K**

Thermal conductivity coefficient has been calculated for the construction:  
1600x2400 with  $U_g=0.6$  W/m<sup>2</sup>K  
Glass type: 5/16 (ARGON) / 3+3



# W450HS

**Tilt & Turn Thermal Insulating System**  
An exceptional aesthetic result.



## 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.

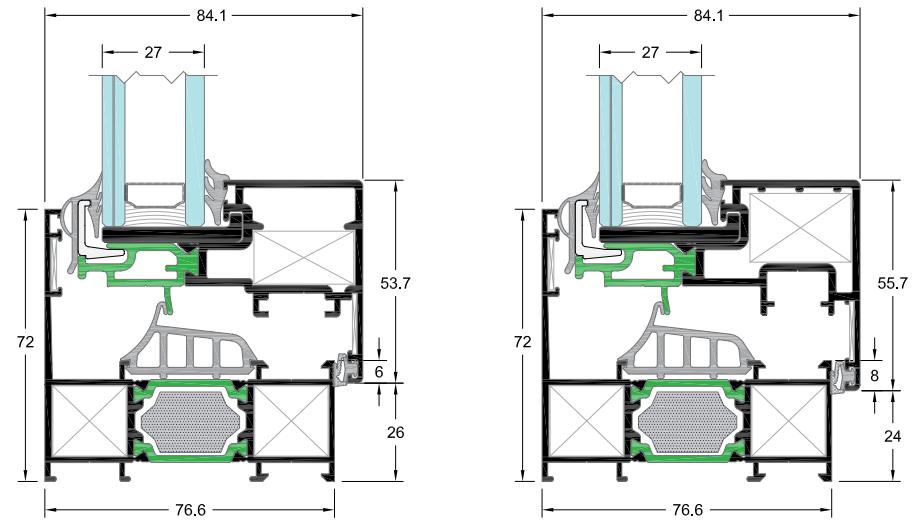
## Features & Benefits

- 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



### HARDWARE

CAMERA	CE	ALU 16
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### INSULATION

POLYAMIDES mm	30	30
FOAM	■	■

### SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	76.6	76.6
MIN. FACE HEIGHT mm	72 OUT / 79.7 IN	72 OUT / 79.7 IN
GLASS THICKNESS mm	27	27

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1600	360-1490
SASH HEIGHT mm	360-2400	450-2360
MAX. SASH DIMENSIONS mm (WxH)	1600x2100 / 1300x2400	1490x2100 / 1300x2360
MAX. SASH WEIGHT Kg	130, 150*, 200**	130, 150*, 200**

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	N/A	Class 4
WATER TIGHTNESS EN 12208	N/A	Class 7A
RESISTANCE TO WIND LOAD EN 12210	N/A	Class B4
THERMAL INSULATION U <sub>f</sub> EN ISO 10077-2	1.6-2.8 W/m <sup>2</sup> K	1.6-2.8 W/m <sup>2</sup> K

\*Reinforced Tilt and Turn | \*\*Hinged with heavy duty hinges



FLAT



### Rate of Insulation

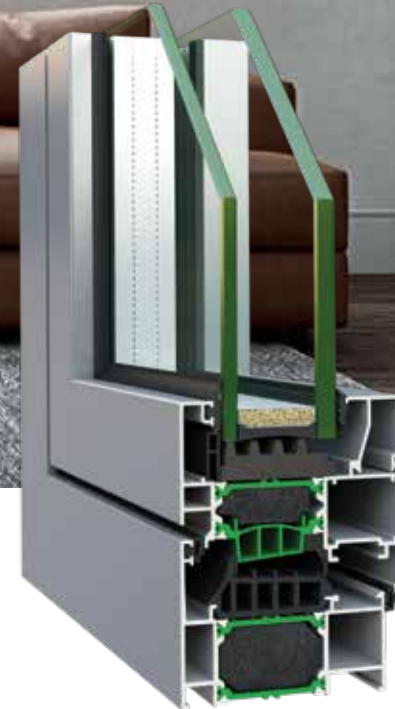
**U<sub>w</sub>=1.76 W/m<sup>2</sup>K**

Thermal conductivity coefficient has been calculated for the construction: 1600x2200 with U<sub>g</sub>=1.1 W/m<sup>2</sup>K  
Glass type: 3+3 /16(ARGON)/5



**W4750**

**Tilt & Turn Highly Thermal Insulating System**  
The most demanding thermal insulation requirements.



## System Identity

The ALUMINCO W4750 is an advanced aluminium system that combines the proven benefits of hinged windows and doors – elegant design and maximum safety – with the highest thermal insulation requirements.

Three incomparable advantages, the use of 39 mm reinforced polyamides, the EPDM central gasket and the advanced perimeter locking mechanism, all in one system offer an outstanding Thermal Insulation Index  $U_f \geq 1.2 \text{ W/m}^2\text{K}$ .

It constitutes an ideal solution for high-end residential and commercial projects that require high energy efficient performance with a high degree of design along with top functionality.

## Features & Benefits

- Use of glass reinforced polyamides and a foam insulating material, that offer top insulation rate  $U_w=1.00 \text{ W/m}^2\text{K}$ .
- Visible aluminium face width 102 mm.
- High water tightness performance due to the use of 3-level gaskets and multi chamber EPDM gasket of double extrusion
- The advanced ALU16 locking mechanism offers better safety and high protection.
- Large range of aesthetic solutions, of profiles in straight and curved cross-section with the ability to manufacture all types of openings frames
- Ideal solution for houses and buildings of high energy requirements.

## Configurations

**Casement windows:** 1Leaf - 2Leaf - 3Leaf - 4Leaf

**Casement-awning windows:** 1Leaf - 2Leaf

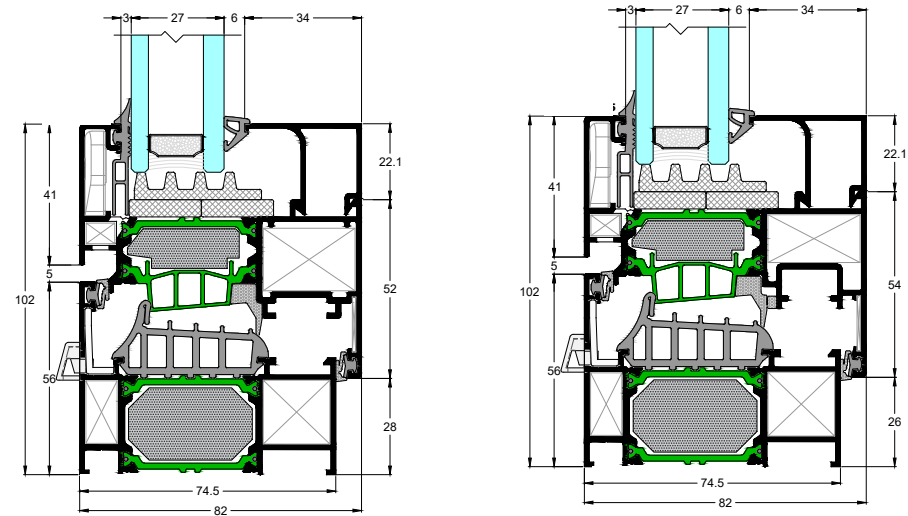
**Shutters:** 1Leaf - 2Leaf - 3Leaf - 4Leaf

**Doors:** 1Leaf - 2Leaf - Tilt & Slide (VW)

**Angular structure:**  $90^\circ$ - $224^\circ$

**Fixed-picture windows**

**Combinations:** 2Leaf sliding SL2450, 2Leaf sliding with insect screen SL200



### HARDWARE

CAMERA	CE	ALU 16
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### INSULATION

POLYAMIDES mm	39	39
FOAM	■	■

### SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	74.5	74.5
MIN. FACE HEIGHT mm	102	102
GLASS THICKNESS mm	21-66	21-66

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1600	360-1490
SASH HEIGHT mm	360-2400	450-2360
MAX. SASH DIMENSIONS mm (WxH)	1600x2100 / 1300x2400	1490x2100 / 1300x2360
MAX. SASH WEIGHT Kg	130, 150*, 200**	130, 150*, 200**

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 4	Class 4
WATER TIGHTNESS EN 12208	8A	E1200
RESISTANCE TO WIND LOAD EN 12210	Class C3/B3	Class C5/B5
SOUND REDUCTION $R_w$ (C;C <sub>tr</sub> ) ISO 10140-2	39 (-2;-7) dB	39 (-2;-7) dB
THERMAL INSULATION $U_f$ EN ISO 10077-2	1.2-2.3 $\text{W/m}^2\text{K}$	1.2-2.3 $\text{W/m}^2\text{K}$

\*Reinforced Tilt and Turn | \*\*Hinged with heavy duty hinges



### Rate of Insulation

**$U_w=1.0 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has been calculated for the construction: 1230x1480 with  $U_g=0.6 \text{ W/m}^2\text{K}$   
Glass type: 44 mm=4+16+4+16+4



FLAT CURVED



# W4900

## Tilt & Turn Thermal Insulating System

Innovative concept with a passive house certification.

## System Identity

The ALUMINCO W4900 aluminium window system has been certified by the Passive House Institute (PHI) in order to meet the high requirements of passive houses.

It incorporates all the well-known benefits of aluminium windows such as stability and high structural requirements with a superior level of thermal insulation value of  $U_w=0.78 \text{ W/m}^2\text{K}$  and the greatest possible degree of architectural design freedom.

## Features & Benefits

- Unique thermal insulation for aluminium windows in accordance with the passive house certification standard.
- Innovative insulation system thanks to 54 mm polyamides offering  $U_f$  value =  $0.76 \text{ W/m}^2\text{K}$  with 102 mm face width.
- Increased sound reduction
- Multi-chamber central gasket that ensures optimum impermeability preventing energy loss.
- Superior safety due to the multiple perimetric locking
- Vast selection of profiles in straight and curved cross sections.
- For all typologies of casements and patio doors.

## Configurations

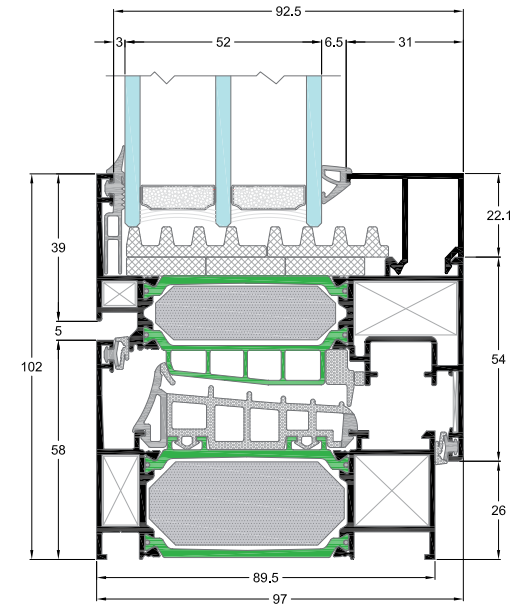
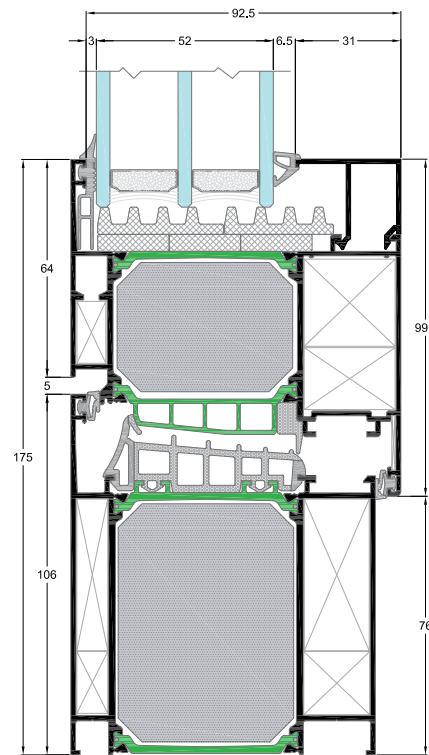
### Casement windows

1Leaf - 2Leaf - 3Leaf - 4Leaf

### Casement-awning windows

1Leaf - 2Leaf

### Fixed-picture windows



### HARDWARE

CAMERA	CE	ALU 16
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### INSULATION

POLYAMIDES mm	54	54
FOAM	■	■

### SYSTEM PROFILE DIMENSIONS

MIN. FRAME DEPTH mm	89.5	89.5
MIN. FACE HEIGHT mm	175	102
GLASS THICKNESS mm	46-81	46-81

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	365-1600	360-1490
SASH HEIGHT mm	360-2400*	450-2360*
MAX. SASH DIMENSIONS mm (WxH)	1600x2100 / 1300x2400	1490x2100 / 1300x2360
MAX. SASH WEIGHT Kg	130, 150*, 200**	130, 150*, 200**

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY	N/A	Class 3
WATER TIGHTNESS	N/A	Class 6A
RESISTANCE TO WIND LOAD	N/A	Class C4
SOUND REDUCTION $R_w$ (C;C <sub>tr</sub> ) ISO 10140-2	52 (-2;-4) dB	52 (-2;-4) dB
THERMAL INSULATION $U_f$ EN ISO 10077-2	0.76 $\text{W/m}^2\text{K}$	0.76 $\text{W/m}^2\text{K}$

\*Reinforced Tilt and Turn | \*\*Hinged with heavy duty hinges



### Rate of Insulation

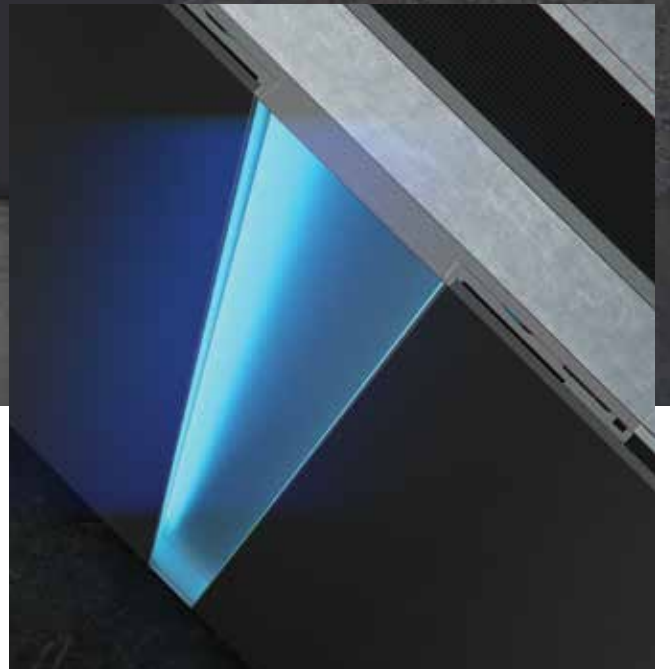
# $U_w=0.78 \text{ W/m}^2\text{K}$

Thermal conductivity coefficient has been calculated for the construction: 1230x1480 with  $U_g=0.7 \text{ W/m}^2\text{K}$  Glass type: 48 mm=4+18+4+18+4



# D110

**Pivot Door System**  
The epitome of magnificence.





## System Identity

Combining innovative technologies with special design lines, D110 Pivot Door by ALUMINCO creates the perfect entry into a home or commercial property.

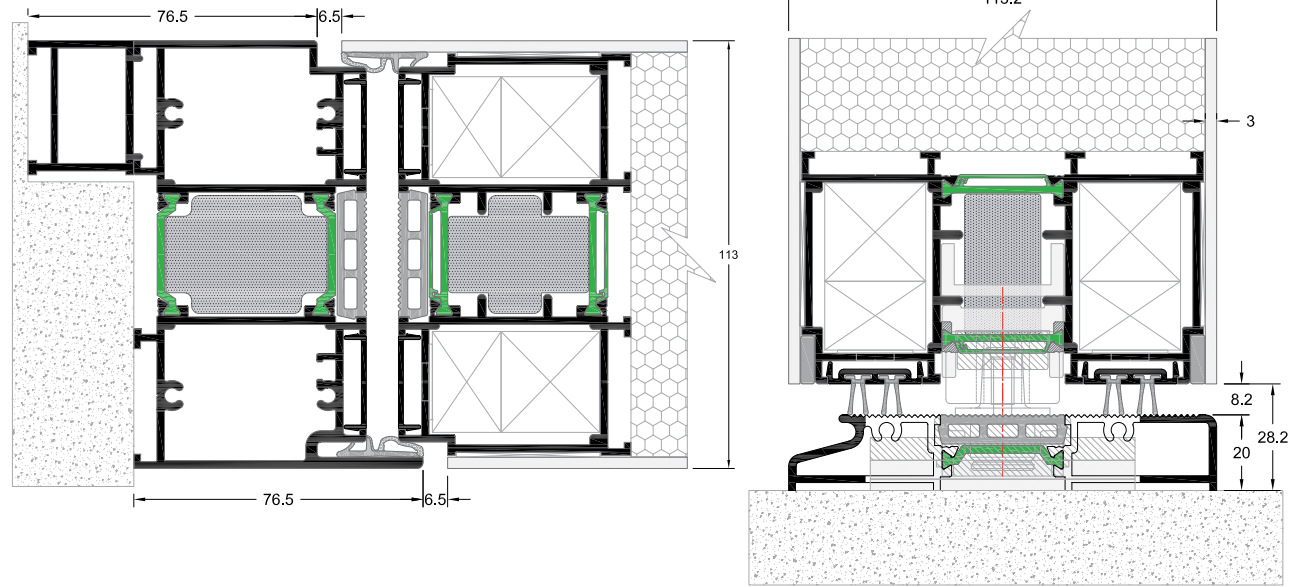
Impactful and beautiful design options, amazing strength, powerful hardware, massive panels, open with ease, are combined to make our pivot door the number one choice for entry doors.

## Features & Benefits

- Anti-bi-metal polyamides, 32 mm, minimize the operational problems due to the temperature difference between inside and outside.
- Hidden pivot mechanism with door adjustment feature (right - left).
- On-floor powerful rotation mechanism.
- Hidden brake mechanism ensures slow and safe closing of the door, reducing the noise level and minimizing the risk of injury.
- Stainless steel single or multipoint lock with high burglar resistance cylinder.
- Low 20 mm threshold provides easy access, suitable for people with disabilities.
- Integrated recessed external handle of special design. The handle can optionally be illuminated by LED technology.
- Frame and sash create a flat surface.

## Configurations

### Door system



### INSULATION

ANTI BI-METAL POLYAMIDES mm	32
FOAM	■

### SYSTEM PROFILE DIMENSIONS

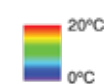
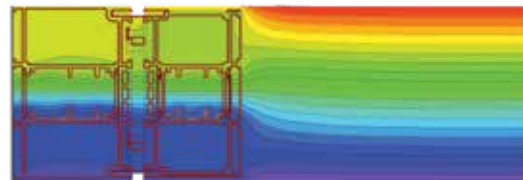
FRAME DEPTH mm	113
DOOR THICKNESS mm	113
ALUMINIUM SHEET THICKNESS mm	3
INSULATION THICKNESS mm	107
ROTATION AXE FROM SASH END mm	250

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	1000-2000
SASH HEIGHT mm	2100-3000
MAX. SASH DIMENSIONS mm (WxH)	1700x3000
MAX. SASH WEIGHT Kg	250

### CERTIFICATES/PERFORMANCES

THERMAL INSULATION Uf, EN ISO 10077-2	2.2-2.8 W/m <sup>2</sup> K
---------------------------------------	----------------------------



### Rate of Insulation

**U<sub>d</sub>=0.69 W/m<sup>2</sup>K**

Thermal conductivity coefficient has been calculated for the construction: 2000x3000 with U<sub>p</sub>=0.27 W/m<sup>2</sup>K  
Type of panel: 3/107/3



**D90**

**High-Standards Insulated Entrance Doors System**  
Outstanding thermal insulating values.



## System Identity

ALUMINCO's system D90, ensures the very best thermal insulation values when it comes to entrance doors along with the highest performance demands and exceptional architectural design.

The system incorporates the best and most solid profiles of perfect flat design, with multi infill options including glazing or aluminum panels, in order to fulfil the most demanding specifications. Enhanced security features and functions are an additional impressive element of the D90 system that meet current trends and increasing requirements in terms of safety and ease of use.

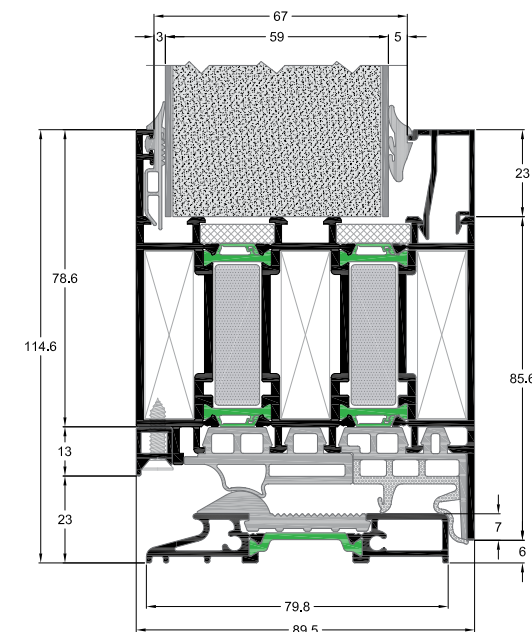
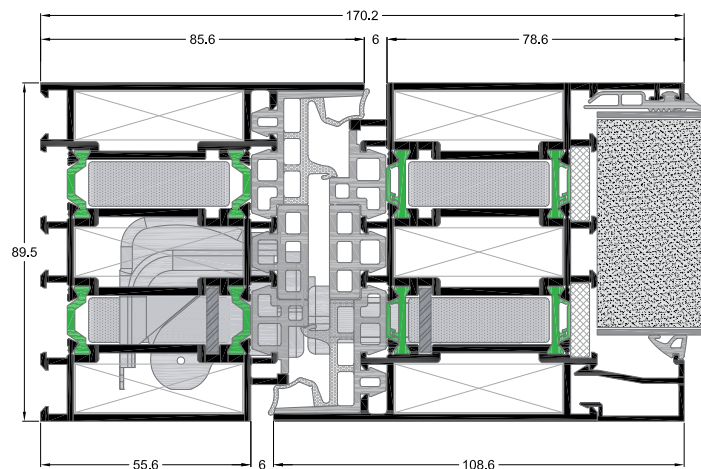
The system's exceptional properties ensure optimum sealing against wind, rain and minimum air infiltration. The ALUMINCO D90 system is fully compatible with the ALUMINCO W4900 hinged windows series, offering the best-performance solution for residential and commercial buildings, ideal not only for new constructions but also for refurbishments.

## Features & Benefits

- Outstanding thermal insulation coefficient  $U_d=0.79 \text{ W/m}^2\text{K}$
- Dual layer polyamides, 18 mm for increased performance and minimization of the bimetallic effect.
- Optional insulation zone with foam filling ensures the highest level of thermal insulation.
- 3 sealing levels with EPDM gaskets and a special EPDM foam gasket provide optimum water tightness.
- Top security features achieved by the 3-point security locks and door hinges that can be either concealed or surface-mounted.
- Continuous low threshold of 13 mm height increases stability, enhances water tightness and minimizes energy loss.
- Aluminum panels or glazing infills provide multiple design options.

## Configurations

**Doors:** 1Leaf - 2Leaf with fixed W4900



INSULATION	
DUAL LAYER POLYAMIDES mm	18
FOAM	■

SYSTEM PROFILE DIMENSIONS	
MIN. FRAME DEPTH mm	89.5
MIN. FACE HEIGHT mm	170.2
GLASS THICKNESS mm	60

CONSTRUCTION DIMENSIONS	
SASH WIDTH mm	1400
SASH HEIGHT mm	3000
MAX. SASH WEIGHT Kg	200

CERTIFICATES/PERFORMANCES	
BURGLAR RESISTANCE EN 1627	RC2
THERMAL INSULATION $U_f$ EN ISO 10077-2	1.6-1.8 $\text{W/m}^2\text{K}$



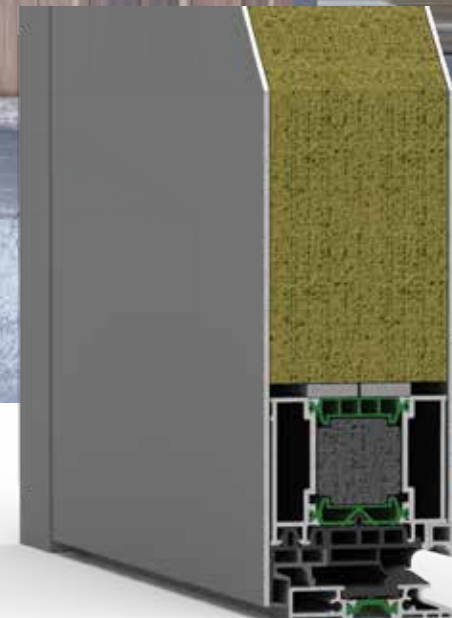
Rate of Insulation

**$U_d=0.79 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has calculated for the construction:  
1300x2500 with  $U_p=0.33 \text{ W/m}^2\text{K}$   
Type of panel: 2/85.5/2

**D75**

**High-performance Insulated Entrance Doors System**  
Energy efficiency, structural stability and functionality.



## System Identity

ALUMINCO's D75 is a highly insulated entrance door system that brings together the benefits of energy efficiency, structural stability and functionality.

Enhanced features and functions ensure optimum performance in terms of security and ease of use. In terms of design, ALUMINCO D75 offers a sophisticated architectural design of impressive flat lines.

The surface of the door infill can be combined either with aluminium panels or all-glass unit. The system provides the ability to create multiple constructions for both commercial and residential projects.

ALUMINCO D75 solution combines what architects, fabricators and developers have always valued: the highest degree for energy efficiency, comfort and aesthetic visual impact in the best possible way - from the perception of the idea to its implementation.

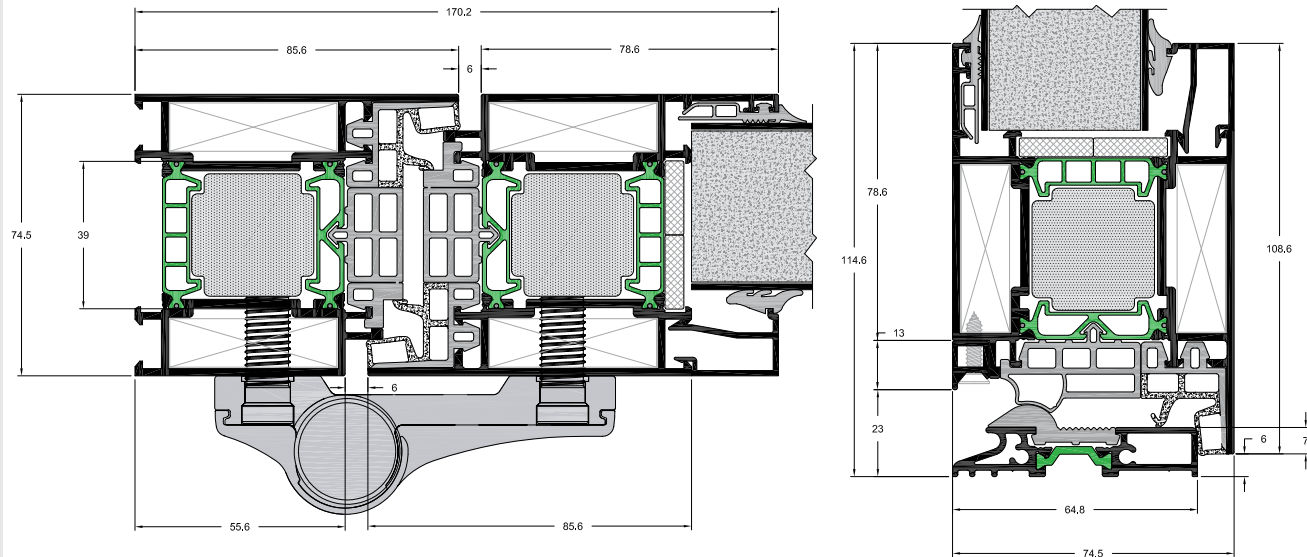
## Features & Benefits

- Outstanding thermal insulation coefficient  $U_d=0.79$  W/m<sup>2</sup>K
- Polyamides 39 mm for increased performance and minimization of the bimetallic effect.
- Optional insulation zone with foam filling ensures the highest level of thermal insulation.
- 3 sealing levels with EPDM gaskets and a special EPDM foam gasket provide optimum water tightness.
- Top security features achieved by the 3-point security locks and door hinges that can be either concealed or surface mounted.
- Continuous low threshold of 13 mm height increases stability, enhances water tightness and minimizes energy loss.
- Aluminum panels or glazing infills provide multiple design options.

## Configurations

**Doors:** 1Leaf - 2Leaf with fixed

**Combinations:** 1Leaf - 2Leaf with W4750



INSULATION	
POLYAMIDES mm	39
FOAM	■

SYSTEM PROFILE DIMENSIONS	
MIN. FRAME DEPTH mm	74.5
MIN. FACE HEIGHT mm	170.2
GLASS THICKNESS mm	44-52

CONSTRUCTION DIMENSIONS	
SASH WIDTH mm	1400
SASH HEIGHT mm	3000
MAX. SASH WEIGHT Kg	200

CERTIFICATES/PERFORMANCES	
AIR PERMEABILITY EN 12207	Class 3
WATER TIGHTNESS EN 12208	Class 5A
RESISTANCE TO WIND LOAD EN 12210	Class C1/B1
BURGLAR RESISTANCE EN 1627	RC2
SOUND REDUCTION $R_w$ (C;Ctr) ISO 10140-2	44 (-1;-4) dB
THERMAL INSULATION $U_f$ EN 10077-2	1.5-1.7 W/m <sup>2</sup> K

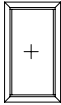
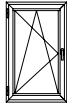


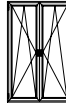

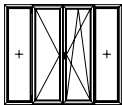


### Rate of Insulation

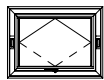
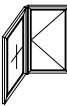
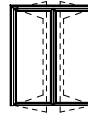
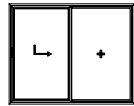
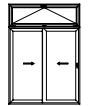
**$U_d=0.79$  W/m<sup>2</sup>K**

Thermal conductivity coefficient has calculated for the construction: 1300x2500 with  $U_p=0.40$  W/m<sup>2</sup>K  
Type of panel: 2/70.5/2

SYSTEM	DIMENSIONS				CONSTRUCTION DIMENSIONS			
	POLYAMIDES mm	MAXIMUM GLASS THICKNESS mm	MINIMUM FRAME DEPTH mm	MIN. FACE HEIGHT mm	MAX. SASH WEIGHT Kg	SASH WIDTH mm	SASH HEIGHT mm	MAX. SASH DIMENSIONS (WxH) mm
W400 Camera Europea		4-26	36,7	87,5	100	365-1100	360-2200	1100 x 2000 900 x 2200
W540 Camera Europea		4-32	48	95.6	130	365-1600	360-2400	1600 x 2100 1300 x 2400
W540 Camera ALU 16		4-32	55.8	102.9	130	360-1490	450-2360	1400 x 2100 1300 x 2360
W450 Camera Europea	24	15-51	59.5	102	130	365-1600	360-2400	1600 x 2100 1300 x 2400
W450 Camera ALU 16	24	15-51	59.5	102	130	360-1490	450-2360	1490 x 2100 1300 x 2360
W450HS Camera Europea	30	27	76.6	72	130	365-1600	360-2400	1600 x 2100 1300 x 2400
W450HS Camera ALU 16	30	27	76.6	72	130	360-1490	450-2360	1490 x 2100 1300 x 2360
W4750 CE	39	21-66	74.5	102	130	365-1640	360-2400	1600 x 2100 1300 x 2400
W4750 ALU 16	39	21-66	74.5	102	130	360-1490	450-2360	1490 x 2100 1300 x 2360
W4900 CE	54	48-80	89.5	102	130	365-1640	360-2400	1600 x 2100 1300 x 2400
W4900 ALU 16	54	48-80	89.5	102	130	360-1490	450-2360	1490 x 2100 1300 x 2360
D110	32		113		250	1000-2000	2100-3000	1700 x 3000
D90	18	60	89.5	170.2	200	1400	3000	
D75	39	52	74.5	170.2	200	1400	3000	

TYPOLOGIES							
SYSTEM							
W400 Camera Europea	■	■	■	■		■	■
W540 Camera Europea	■	■	■	■		■	■
W540 Camera ALU 16	■	■	■	■	■	■	■
W450 Camera Europea	■	■	■	■		■	■
W450 Camera ALU 16	■	■	■	■	■	■	■
W4750 Camera Europea	■	■	■	■	■	■	■
W4750 Camera ALU 16	■	■	■	■	■	■	■
W4900 Camera Europea	■	■	■	■	■	■	■
W4900 Camera ALU 16	■	■	■	■	■	■	■
D110			■				
D90			■				
D75			■				

PERFORMANCE						
THERMAL INSULATION U <sub>f</sub> EN 10077-2	AIR PERMEABILITY EN 12207	WATER TIGHTNESS EN 12208	RESISTANCE TO WIND LOAD EN 12210	BURGLAR RESISTANCE EN 1627	SOUND REDUCTION R <sub>w</sub> ISO 10140-2	SYSTEM
	Class 4	Class 3A	Class C3			W400 Camera Europea
	Class 3	E750	Class C5	RC2/RC2N		W540 Camera Europea
	Class 4	Class 8A	Class C4	RC2		W540 Camera ALU 16
2.2-2.6 W/m <sup>2</sup> K	Class 4	Class 6A	Class C3/B3		43 dB	W450 Camera Europea
2.2-2.6 W/m <sup>2</sup> K	Class 4	Class 8A	Class C5/B5		43 dB	W450 Camera ALU 16
1.6-2.8 W/m <sup>2</sup> K						W450HS Camera Europea
1.6-2.8 W/m <sup>2</sup> K	Class 4	Class 7A	Class B4			W450HS Camera ALU 16
1.2-2.3 W/m <sup>2</sup> K	Class 4	Class 8A	Class C3/B3		39 dB	W4750 Camera Europea
1.2-2.3 W/m <sup>2</sup> K	Class 4	E1200	Class C5/B5		39 dB	W4750 Camera ALU 16
0.76 W/m <sup>2</sup> K					52 dB	W4900 Camera Europea
0.76 W/m <sup>2</sup> K	Class 3	Class 6A	Class C4		52 dB	W4900 Camera ALU 16
2.2-2.8 W/m <sup>2</sup> K						D110
1.6-1.8 W/m <sup>2</sup> K				RC2		D90
1.5-1.7 W/m <sup>2</sup> K	Class 3	Class 5A	Class C1/B1	RC2	44 dB	D75

PERFORMANCE					
					SYSTEM
	■			■	W400 Camera Europea
	■		■	■	W540 Camera Europea
	■			■	W540 Camera ALU 16
■	■	■*	■	■	W450 Camera Europea
■	■	■*		■	W450 Camera ALU 16
					W4750 Camera Europea
					W4750 Camera ALU 16
					W4900 Camera Europea
					W4900 Camera ALU 16
					D110
					D90
					D75

\* Only with special profiles and accessories



# FD460

## Folding Door System

A wide variety of solutions of unrivaled functionality.





## System Identity

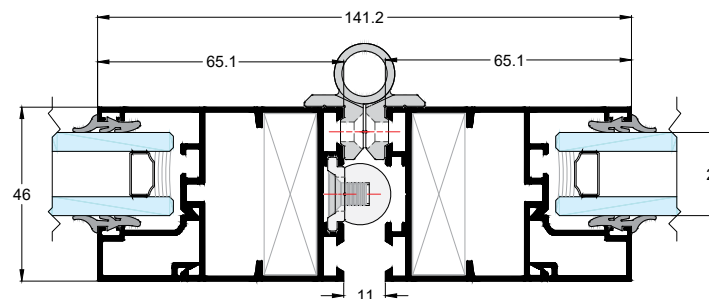
FD460 is the non-thermal insulating system for folding doors, the ideal solution for wide spans, providing excellent sealing and connecting harmoniously the interior with the exterior environment.

## Features & Benefits

- Hanging on top guide using a special roller-hinge, able to support 200 Kg (100 Kg per sash).
- Sealing with both EPDM gaskets and high-density brushes.
- Low threshold for comfortable access and passage.
- Possibility of locking door construction, opening inwards.

## Configurations

**Folding:** 3Leaf, 5Leaf, 7Leaf



### SYSTEM PROFILE DIMENSIONS

MIN. RAIL WIDTH mm	54.5
MIN. FRAME HEIGHT mm	22
MIN. FACE HEIGHT mm	79
GLASS THICKNESS mm	4-31

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	350-800
SASH HEIGHT mm	600-2300
MAX. SASH DIMENSIONS mm (WxH)	700x2300
MAX. SASH WEIGHT Kg	100

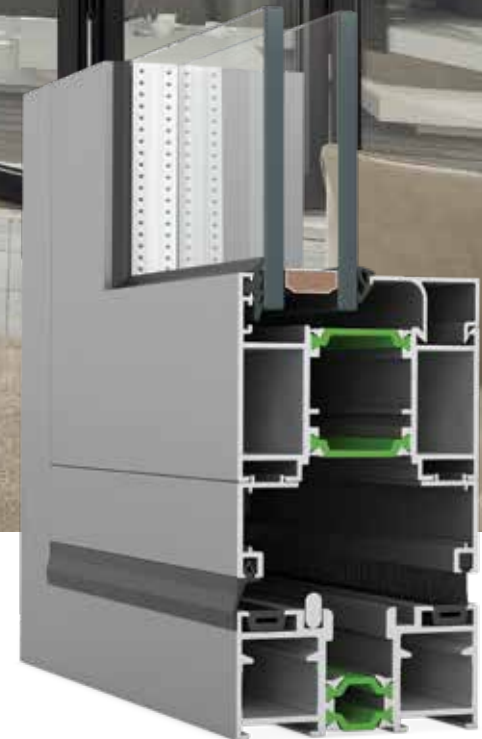


FLAT



# FD4600

**Folding Thermal Insulating Door System**  
High comfort & maximal transparency.



## System Identity

FD4600 is a top class insulating system for folding doors, offering extremely high performance and impressive, out of competition, properties. The desire to create living spaces filled with daylight was never so feasible.

This high performance system offers this advantage, as well as a minimal design, high insulation and functionality with hardware that have specifically been designed for folding systems. Suitable for many different typologies, having the greatest advantage of corner opening without any column. This unique feature ensures maximum transparency and easy opening, whilst another practical feature is that one leaf can act as an opening door without interrupting the other folding leaves.

FD4600 is available in multiple threshold options in order to perfectly match all comfort and aesthetic requirements. The low threshold option offers a rise of only 24 mm (ramp) giving easy access to people with special needs and allowing maximum convenience for high-traffic areas.

Specially designed rolling hinges, sliding smoothly on the bottom rail, ensure quietly and easily operation of the system.

## Features & Benefits

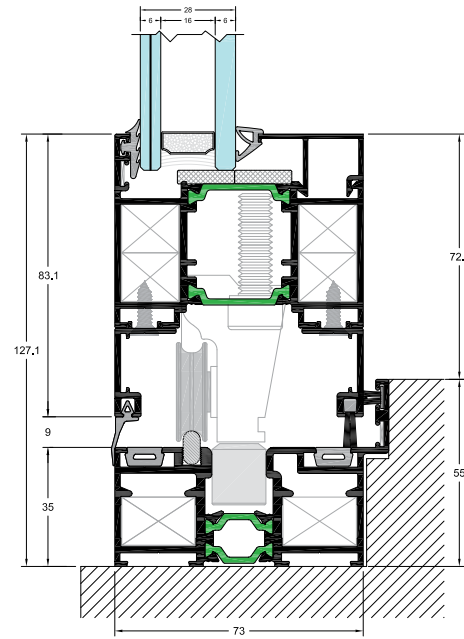
- High level of thermal insulation ( $U_f$  values down to 2.1 W/m<sup>2</sup>K) due to 30 mm polyamides.
- Exceptional water tightness, functionality, reliability and comfort.
- Suitable for large openings, every conceivable configuration achievable up to 14 leaves (7 left - 7 right) with maximum height 3 m and width of 1.20 m for each leaf.
- Ultra-smooth bottom running by using specially designed rolling hinges carrying maximum weight of 120 Kg per leaf.
- Possibility of open corners without any post.
- Able to open inward or outward door with locking system.
- Possibility of even number of openings (2, 4 etc.).
- Multiple threshold options.
- Special hinge with integrated built-in handle for easy locking.
- In and outward opening using the same profiles.
- Perfect choice for private homes, offices, restaurants and recreational areas.

## Configurations

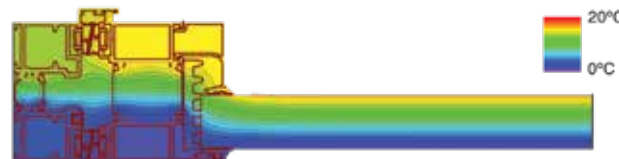
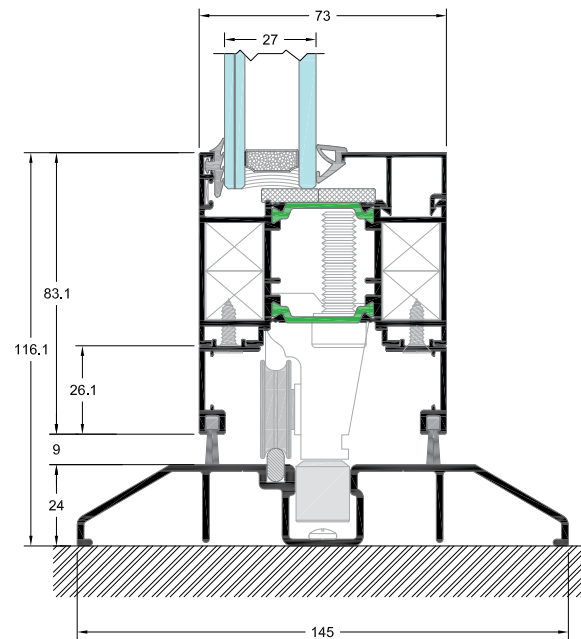
1Leaf, 2Leaf, 3Leaf... 7Leaf

**Angular structure:** 1Leaf, 2Leaf, 3Leaf... 7Leaf

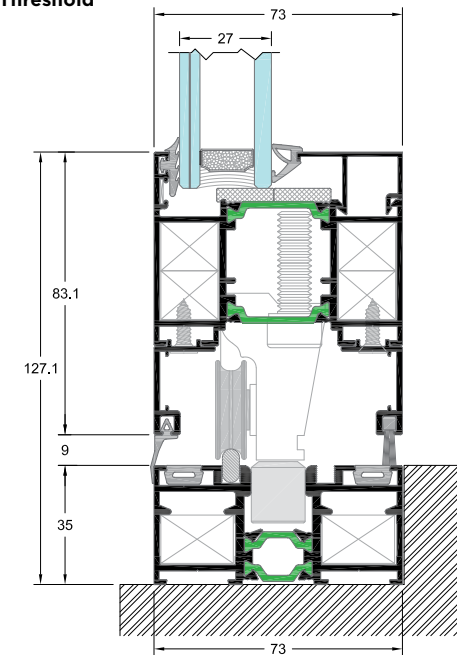
### High Performance Threshold



### Easy Access Threshold



### Low Threshold



### INSULATION

POLYAMIDES mm	20-30
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### SYSTEM PROFILE DIMENSIONS

MIN. RAIL WIDTH mm	73
VENT-VENT WIDTH mm	124
MIN. FRAME HEIGHT mm	24
MIN. FACE HEIGHT mm	127.1
GLASS THICKNESS mm	27-57

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	450-1200
SASH HEIGHT mm	600-3000
MAX. SASH DIMENSIONS mm (WxH)	1200x3000
MAX. SASH WEIGHT Kg	120

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 3
WATER TIGHTNESS EN 12208	Class 2A
RESISTANCE TO WIND LOAD EN 12210	Class C3/B4
THERMAL INSULATION $U_f$ EN ISO 10077-2	2.1-3.1 W/m <sup>2</sup> K

### Rate of Insulation

**$U_w = 1.83 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has been calculated for the construction: 3500x2500 with  $U_g = 1.1 \text{ W/m}^2\text{K}$   
Glass type: 3+3/16 (ARGON) / 6





# SL320

**Slide - Lift and Slide System**  
Sleek flat design.

## System Identity

SL320 is ALUMINCO's non insulated slide - lift and slide system that upgrades the basic functions of a sliding system and incorporates smart features previously held by higher-end systems.

The frame's exceptional design, with straight fine lines perfectly matches current architectural trends that call for minimal design, ensures a lightweight system and comes out in a number of typologies that can cover a range of needs, suitable for large constructions as well.

With sliding and lift and slide mechanisms and a number of alternative solutions, it is the most suitable system for areas of warmer climate.

## Features & Benefits

- High level of aesthetic functionality.
- Minimal style and straight lines in combination with the low threshold option of 30 mm height offer particularly elegant structures and facilitate the access.
- Interlocking profile width of only 30 mm to maximize transparency and light penetration.
- Meeting style width of only 70 mm.
- The built-in handle at the junction point of the slim hook offers increased resistance to wind load.
- Sash profiles for 45° and 90° assembling.
- Wide range of configurations with sliding and Lift & Slide mechanisms.
- Smooth and easy sliding.
- Solutions for small, medium and large openings.

## Configurations

### Sliding

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen

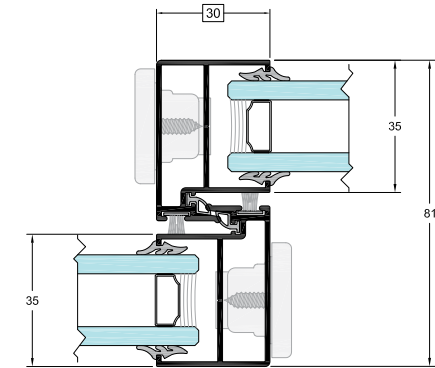
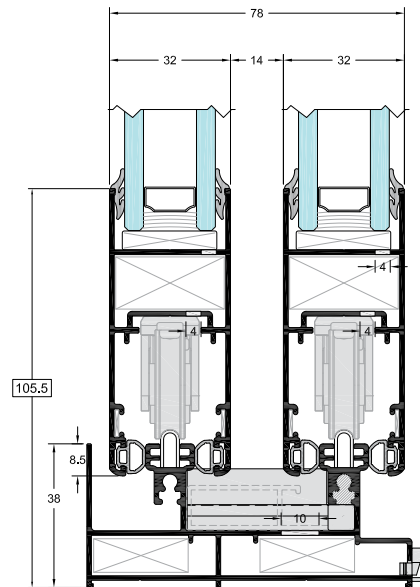
### Sliding in wall

1leaf-2leaf glazing, 1leaf-2leaf glazing/mosquito screen,

1leaf-2leaf glazing/ shutter, 1leaf-2leaf glazing/mosquito screen/shutter.

### Combinations

2Leaf sliding SL320 with opening AL540, 2Leaf sliding with mosquito screen SL320 with opening W540, 3Leaf sliding SL320 with opening W540.



### HARDWARE

SLIDING	■
LIFT & SLIDE	■

### SYSTEM PROFILE DIMENSIONS

FRAME LIFT & SLIDE WIDTH mm	86
MIN. FRAME HEIGHT mm	30
MIN. FACE HEIGHT mm	97.5
GLASS THICKNESS mm	24
SASH WIDTH mm	32
SASH HEIGHT mm	76
INTERLOCKING PROFILE WIDTH mm	30

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	330-2000
SASH HEIGHT mm	520-2800
MAX. SASH DIMENSIONS mm (WxH)	2000x2400 / 1700x2800
MAX. SASH WEIGHT Kg	120 / 200*

\*Lift and slide mechanism

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 7A
RESISTANCE TO WIND LOAD EN 12210	Class C3/B4



# SL200

**Sliding Thermal Insulating System**  
Maximum space saving.



## System Identity

SL200 belongs to the generation of thermal insulation systems providing maximum space savings, high aesthetic, exceptional performance and excellent functionality.

The special design of the system is based on the architectural trend that incorporates straight untied lines thus satisfying a wide range of requirements, both in existing and in new buildings.

The series uses the anti bi-metal polyamide, the only solution (especially in sliding units) in order to prevent warping caused by the differences in temperature between the outside and inside profiles.

SL200 adds higher performance characteristics in its category, with thermal insulation  $U_f \geq 2.1 \text{ W/m}^2\text{K}$  and sound reduction up to 26 dB.

## Features & Benefits

- Triple rail solution of glass, mosquito screen and shutter in 98.5 mm width and 32 mm height.
- Fortified overlapping rails with mechanical corner connection for demanding constructions.
- Special designed central adaptor of excellent functionality for ultimate water and air tightness.
- Offers high thermal insulation by using additional profiles to the hook profile section.

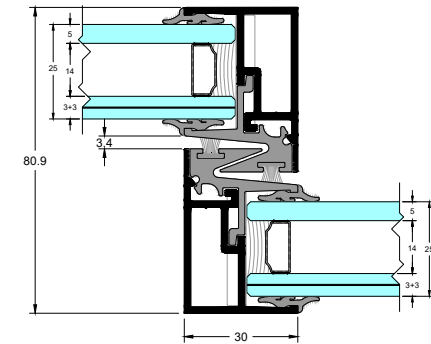
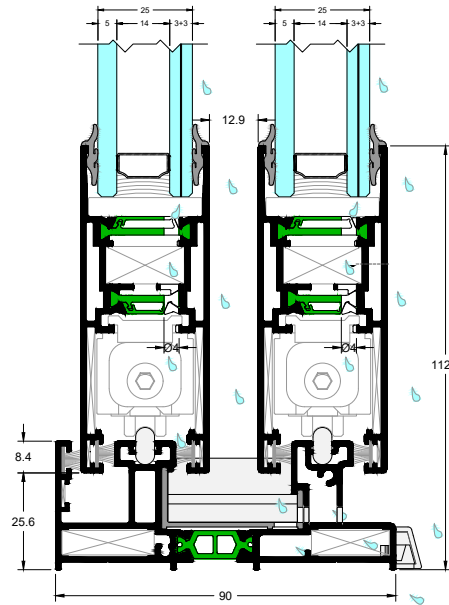
## Configurations

### Sliding

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen

### Combinations

2Leaf sliding SL200 with opening W450  
2Leaf sliding with insect screen SL200 with opening W450



### HARDWARE

SLIDING	■
LIFT & SLIDE	

### INSULATION

ANTI-BI-METAL POLYAMIDES mm	18-30
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### SYSTEM PROFILE DIMENSIONS

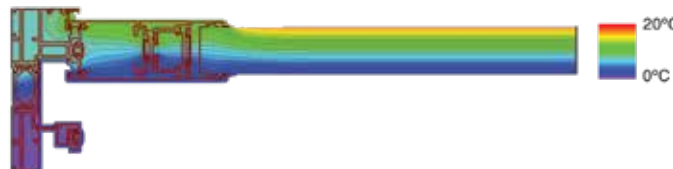
FRAME LIFT & SLIDE WIDTH mm	90
MIN. FRAME HEIGHT mm	32
MIN. FACE HEIGHT mm	80 / 86.5
INTERLOCKING PROFILE WIDTH mm	30
GLASS THICKNESS mm	up to 25

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	330-1800
SASH HEIGHT mm	510-2400
MAX. SASH DIMENSIONS mm (WxH)	1800x2200 / 1600x2400
MAX. SASH WEIGHT Kg	160

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 3
WATER TIGHTNESS EN 12208	Class 3A
RESISTANCE TO WIND LOAD EN 12210	Class C3/B3
SOUND REDUCTION $R_w$ (C;Ctr) EN ISO 140-3	26 (0;-1) dB
THERMAL INSULATION $U_f$ EN ISO 10077-2	2.1-5.1 $\text{W/m}^2\text{K}$



### Rate of Insulation

**$U_w = 2.11 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has been calculated for the construction:  
1600x2200 with  $U_g = 1.1 \text{ W/m}^2\text{K}$   
Glass type: 5/14 (ARGON) / 3+3



FLAT



# SL2450

**Lift & Slide Thermal Insulating System**  
Minimal face widths.





## System Identity

The advanced system SL2450 offers all the functional benefits of a minimal lift and slide system with impressive performance. The system combines up to date architectural aesthetics and exceptional functionality along with high durability.

The design parameters on which the system has been constructed are architectural aesthetics, functionality combined with durability and unprecedented performance, while flexibility and ease in construction are important benefits for the modern professional. Its minimal architectural design is reflected on the 30 mm wide interlocking profile for greater visibility and natural light, while the low-level threshold offers extra comfort and easier access. In order to improve its performance, the SL2450 is equipped with 32 mm glass reinforced polyamides and EPDM gaskets that offer increased levels of thermal insulation and water tightness.

## Features & Benefits

- High level of thermal insulation due to the 32 mm glass reinforced polyamides
- Its minimal and straight lines combined with the 32.5 mm low threshold offer particularly fine constructions.
- Interlocking face width of only 30 mm maximizes transparency and natural light penetration.
- The advanced lift mechanism offers high functionality, ease of use and smooth sliding while the specially designed profile with the integrated handle reinforces robustness and increases the resistance to wind pressure.
- Possibility to implement different typologies, perfectly adapting to large scale constructions.
- Ideal for hotel units, offering the ability to implement extensive lifting-sliding solutions with fixed panel.

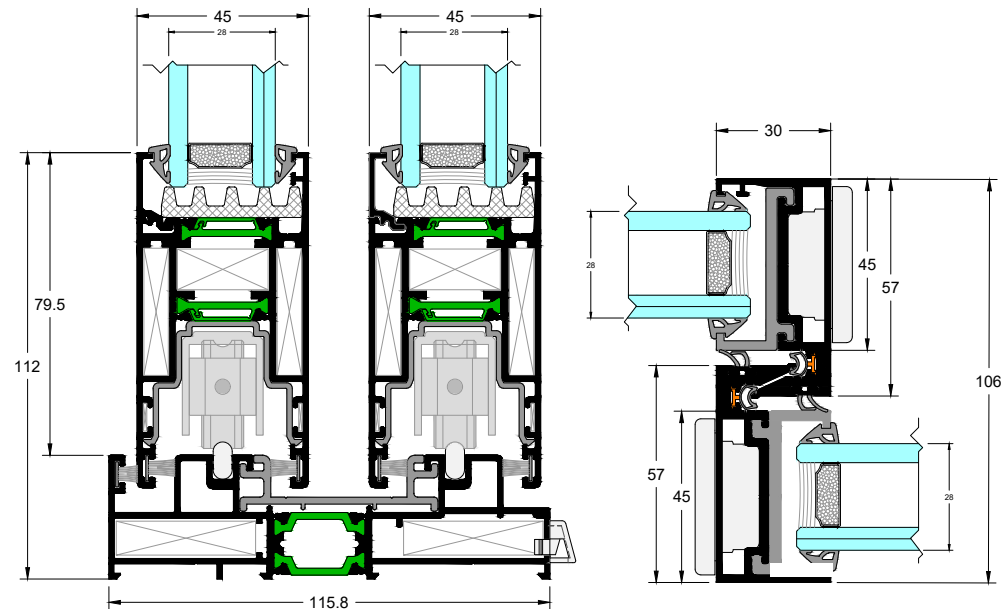
## Configurations

### Lift - sliding

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen, 2Leaf sliding with fixed, 2Leaf sliding with fixed and insect screen, 1Leaf sliding with fixed

### Lift - sliding pocket

1Leaf-2Leaf sliding with glass, 1Leaf-2Leaf sliding pocket with glass-insect screening system, 1Leaf-2Leaf with glass- rolling shutters, 1Leaf-2Leaf with glass-insect screen-rolling shutters.



HARDWARE	
SLIDING	■
LIFT & SLIDE	■

INSULATION	
POLYAMIDES mm	16-32

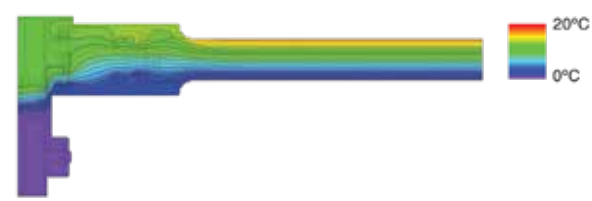
  

SYSTEM PROFILE DIMENSIONS	
FRAME LIFT & SLIDE WIDTH mm	115
MIN. FRAME HEIGHT mm	32.5
MIN. FACE HEIGHT mm	102
MIN. INTERLOCKING PROFILE WIDTH	30
GLASS THICKNESS mm	28

CONSTRUCTION DIMENSIONS	
SASH WIDTH mm	330-2000
SASH HEIGHT mm	1200-2700
MAX. SASH DIMENSIONS mm (WxH)	2000x2400 / 1600x2700
MAX. SASH WEIGHT Kg	200-250*

CERTIFICATES/PERFORMANCES	
OPERATING FORCES EN 13115	Class 1
AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 3A
RESISTANCE TO WIND LOAD EN 12210	Class C4/B4
SOUND REDUCTION $R_w$ (C;Ctr) ISO 10140-2	40 (-2;-7)dB
THERMAL INSULATION $U_f$ EN ISO 10077-2	1.9-5.3 W/m <sup>2</sup> K

\* Traditional L&S mechanism



Rate of Insulation  
 **$U_w = 1.59 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has been calculated for the construction:  
 4500x2500 with  $U_g = 1.1 \text{ W/m}^2\text{K}$   
 Glass type: 3+3 /16 (ARGON) / 5





# SL2700

**Lift & Slide Thermal Insulating System**  
High-end structures.



## System Identity

The lift-and-slide system SL2700 represents the new generation of ALUMINCO's high-end systems.

Attractive and effective slim lines, excellent thermal insulation values and high-quality components create an exceptionally uplifting atmosphere.

The architectural aesthetics are depicted on the narrow interlocking face width which permits greater visibility and flow of light, while the ground level threshold offers high comfort and ease of access.

Exceeding conventional applications and fulfilling the need for wide spans, SL2700 offers more opportunities and options to the modern professional, therefore upgraded in one of the most efficient systems in its category.

## Features & Benefits

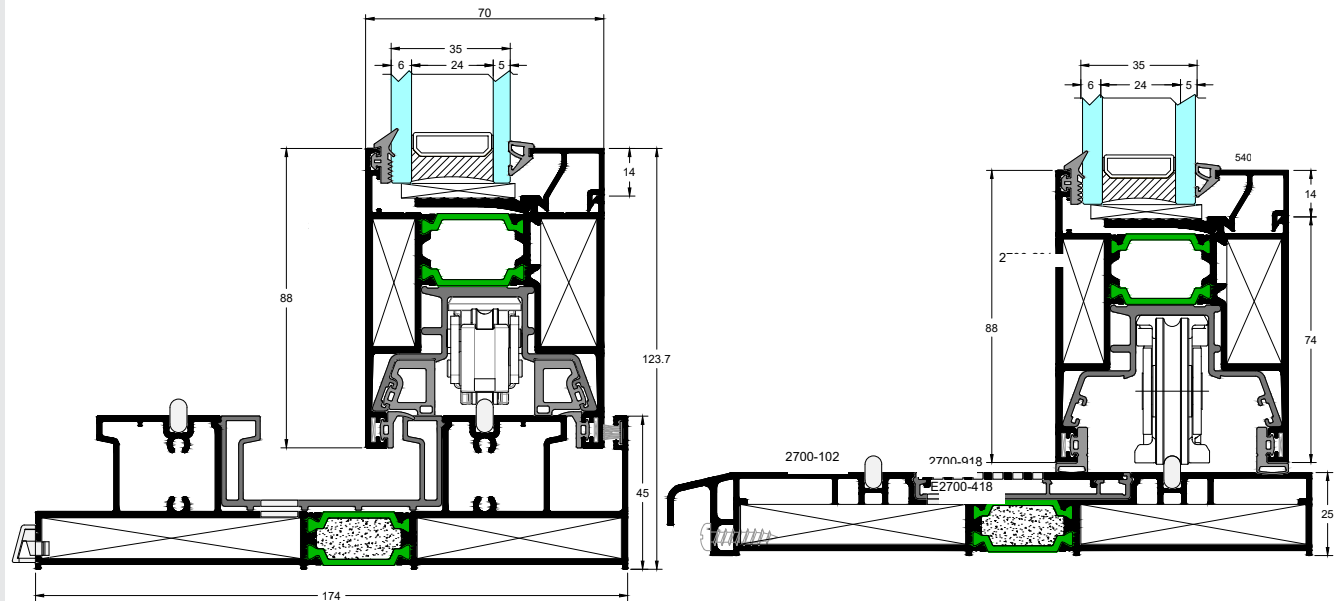
- Exceptional energy efficiency
- Impressive thermal insulation, water tightness and resistance to wind pressure.
- Minimal style and straight lines in combination with the low-level and flat threshold of 25 mm offer particularly elegant structures and facilitate the access
- Interlocking face width of only 43 mm for maximum transparency and light penetration
- The concealed lift-sliding mechanism offers smooth sliding and phenomenal functionality
- Perimetrical sealing with EPDM gaskets
- Multi-point lock with lift-and-slide for high burglar resistance.
- Wide variety of typologies and solutions with a great flexibility in construction
- Ideal for hotel units offering unique hotel solutions.

## Configurations

### Lift - sliding

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen, 2Leaf sliding with fixed, 2Leaf sliding with fixed and insect screen, 1Leaf sliding with fixed

### Angular structure 90°



### HARDWARE

SLIDING	
LIFT & SLIDE	■

### INSULATION

POLYAMIDES mm	30
---------------	----

### SYSTEM PROFILE DIMENSIONS

FRAME HEIGHT mm	25
FRAME WIDTH mm	174
SASH HEIGHT mm	88
SASH WIDTH mm	70
INTERLOCKING PROFILE WIDTH mm	35/43
SASH WEIGHT Kg	up to 400
GLASS THICKNESS mm	22-52

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 9A
RESISTANCE TO WIND LOAD EN 12210	Class B4
SOUND REDUCTION $R_w$ (C;Ctr) ISO 10140-2	42 (0;-3)cdB
THERMAL INSULATION $U_f$ EN ISO 10077-2	1.7-8.1 W/m <sup>2</sup> K



Rate of insulation:

**$U_w = 1.55 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has calculated for the construction:

4000x2400 with  $U_g = 1.0 \text{ W/m}^2\text{K}$

Glass type: 5/24 (ARGON) /6





# SL2900

**Sliding Thermal Insulating System with Diversion**  
Hyper performances.



## System Identity

The ALUMINCO SL2900 is a top performing sliding system with innovative and unique features, offering elegant constructions and satisfying large-scale requirements. The art of minimal architectural design with first in class performance in terms of thermal insulation, air-and water-tightness, and the value-added SOFT CLOSE function, are some of the reference points that dominate and make the SL2900 unique. The minimalistic look of the system is determined by the minimal profile face width in the centre section and an outer frame concealed in the attachment to the building structure while the fully integrated threshold option allows easy passage and maximizes user comfort.

Aside from the design, the SL2900 is the only system that combines the ease of operation of lift-slide systems with the tight seal provided by tilt & slide elements. The latter is thanks to a continuous sealing system all around the perimeter, which saves large amounts of energy. Thanks to innovative SOFT CLOSE function the system's sash slows down during closing and guided reliably into the end position, minimising the risk of injury and of damage to the window elements. This top-ranked system belongs to the new generation of architectural ALUMINCO systems, which are based on modern architectural trends, incorporating cutting-edge technology whilst offering unrivaled functionality, with unprecedented for its time performances.

## Features & Benefits

- Top level thermal insulation thanks to the 24 mm reinforced polyamides.
- Exceptional performance in water and air tightness.
- Ability to use triple glazing for optimal sound reduction and maximum energy saving.
- Maximum transparency and light penetration thanks to face width of 64 mm and a concealed outer frame.
- The use of a concealed mechanism, the SOFT CLOSE damper, prevents damage caused by improper operation when opening or closing the slide sash and protects against any risk of injury.
- Suitable for covering large openings, with a maximum height of 2.5 m and width of 5 m, retaining their functionality and credibility.
- The sliding hardware can reliably withstand sash weights of as much as 250 Kg.
- Three different track options offer ideal solutions depending on operational needs and performance levels.
- Smooth and easy operation of the system, even in demanding dimensions and robust constructions, is achieved through the unique mechanism which guides the sash more gently and harmoniously into the locking position.

## Configurations

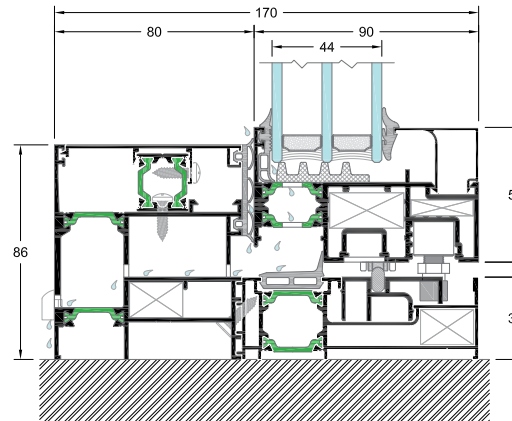
### Sliding with fixed

1Leaf with fixed, 2Leaf with fixed

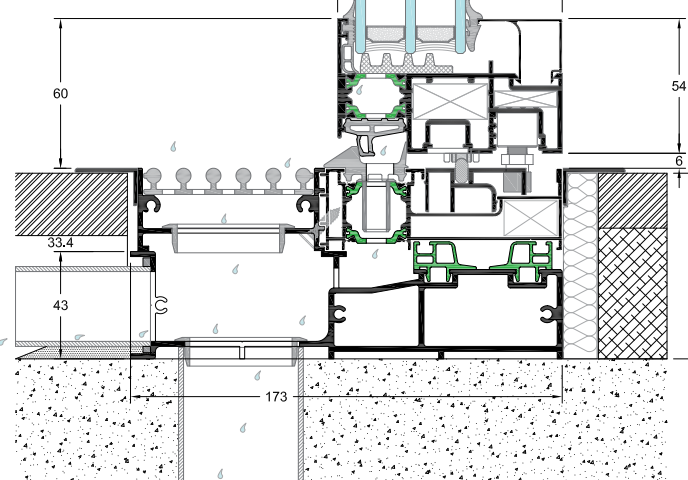


FLAT

### High Level Threshold



### Fully Integrated Threshold

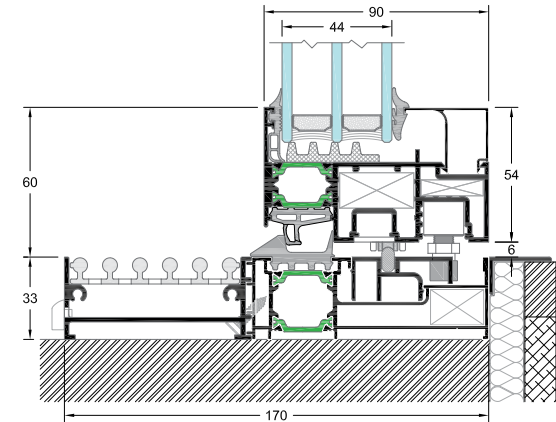


### Rate of Insulation

$$U_w = 0.89 \text{ W/m}^2\text{K}$$

Thermal conductivity coefficient has been calculated for the construction: 5000x2500 with  $U_g = 0.5 \text{ W/m}^2\text{K}$  Glass type: 4/16 (ARGON) /4/16 (ARGON) /4 High Level Threshold

### Upgrade Threshold



### HARDWARE

SLIDING WITH DIVERSION

### INSULATION

POLYAMIDES mm 20-24

### SYSTEM PROFILE DIMENSIONS

MIN. RAIL WIDTH mm	170
MIN. FRAME HEIGHT mm	86
MIN. FACE HEIGHT mm	54
GLASS THICKNESS mm	44-74

### CONSTRUCTION DIMENSIONS

SASH WIDTH mm	680-2500
SASH HEIGHT mm	1200-2500
MAX. SASH DIMENSIONS mm (WxH)	2500x2500
MAX. SASH WEIGHT Kg	250

### CERTIFICATES/PERFORMANCES

THERMAL INSULATION  $U_f$  ISO 10077-2 2.0-4.5  $\text{W/m}^2\text{K}$

**High Level Threshold:** The high level threshold solution offers maximum performance meeting effectively even the most demanding needs.

**Upgrade Threshold:** The upgrade threshold option offers a rise of only 33 mm and is well suited for renovation projects.

**Fully Integrated Threshold:** The fully integrated option allows easy passage and maximum convenience. This element hand in hand with the visual effect of no frames creates the ultimate minimalistic appearance.

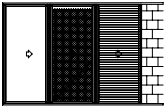

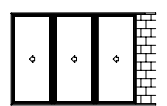



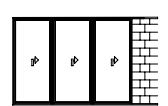
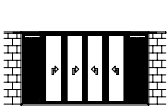

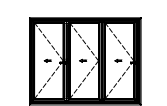
SYSTEMS	DIMENSIONS					CONSTRUCTION DIMENSIONS				
	POLYAMIDES mm		GLASS THICKNESS mm	FRAME LIFT & SLIDE WIDTH mm	MIN. FRAME HEIGHT mm	MIN. FACE HEIGHT mm	SASH WIDTH mm	SASH HEIGHT mm	MAX. SASH WEIGHT Kg	MAX. SASH DIMENSIONS (WxH) mm
	GUIDE	SASH								
SL320			24	86	30	97.5	330-2000	520-2800	120	2000x2400 1700x2800
SL200	12-20-24	18.6-24	up to 25	90	32	110	330-1800	510-2400	160	1800x2200 1600x2400
SL2450	16-24	24-32	26-28	115	32.5	102	330-2000	1200-2700	250	2000x2400 1600x2700
SL2700	16-24-30	30	22-52	174	25	116	800-3350	1800-4000	400	3000x4000
SL2900	24	24	44-74	170**	33	60	680-2500	1200-2500	250	2500x2500
FD460			4-31	54.5	45.4	79	350-800	600-2300	100	700-2300
FD4600	20-30		27-57	73	24	127.1	450-1200	600-3000	120	1200x3000

\*For lift and slide 800 mm | \*\*for sliding with fixed

TYPOLOGIES										
SYSTEMS										
SL320	■	■	■	■	■	■	■	■	■	■
SL200	■	■	■				■		■	
SL2450	■	■	■	■	■	■	■	■	■	■
SL2700				■*	■	■*		■		■
SL2900										■
FD460										
FD4600										

\*With no fly screen

PERFORMANCE							
THERMAL INSULATION $U_f$ EN 10077-2	AIR PERMEABILITY EN 12207	WATER TIGHTNESS EN 12208	WIND LOAD EN 12210	OPERATING FORCES EN 13115	BURGLAR RESISTANCE EN 1627	SOUND REDUCTION $R_w$ ISO 10140-2	SYSTEMS
	Class 4	Class 7A	Class C3/B4				SL320
2.1-5.1 W/m <sup>2</sup> K	Class 3	Class 3A	Class C3/B3			26 dB	SL200
1.9-5.3 W/m <sup>2</sup> K	Class 4	Class 3A	Class C4/B4	Class 1		40 dB	SL2450
1.7-8.1 W/m <sup>2</sup> K	Class 4	Class 9A	Class B4			42 dB	SL2700
2.0-4.5 W/m <sup>2</sup> K							SL2900
							FD460
2.1-3.1 W/m <sup>2</sup> K	Class 3	Class 2A	Class C3/B4				FD4600

TYPOLOGIES										
										SYSTEMS
■	■	■	■	■	■	■	■	■	■	SL320
■	■	■	■		■			■		SL200
■	■	■	■	■	■	■	■	■		SL2450
										SL2700
										SL2900
									■	FD460
									■	FD4600



# OS25

## Interior Partitions System

Slim design delivers maximum transparency.





## System Identity

The OS25 system gives a different point of view in the design of interior partitions, contributing to the creation of spaces with rich lighting and an unmistakably modern aesthetic. It offers extremely elegant constructions and greater transparency in its structural version, while the single- and double-glazing typologies are distinguished by their robustness and the possibility of creating a more industrial look.

The slim fittings of the new series follow the architectural trend for minimal visible aluminum, more transparency and enhancement of natural lighting, offering elegant proposals for creating modern offices and ideal working conditions that enhance the creativity and productivity of employees. At the same time, it meets the requirements of modern building infrastructures in terms of its functionality and performance.

## Features & Benefits

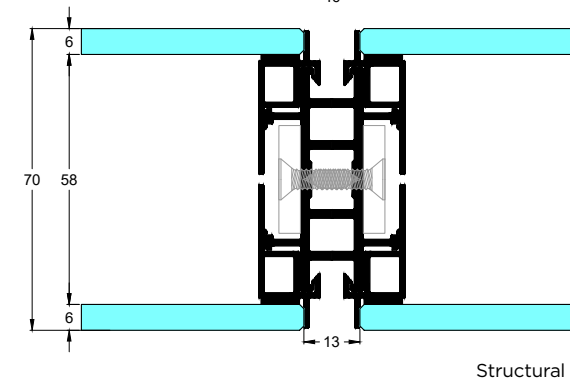
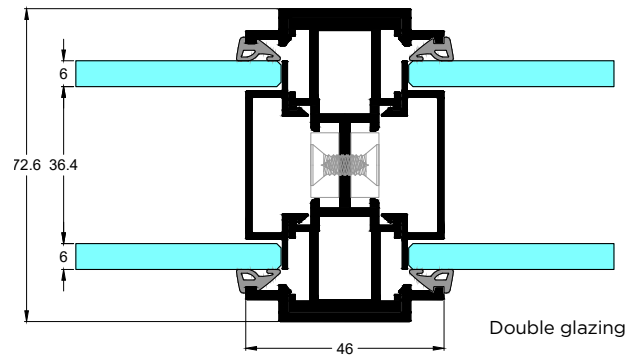
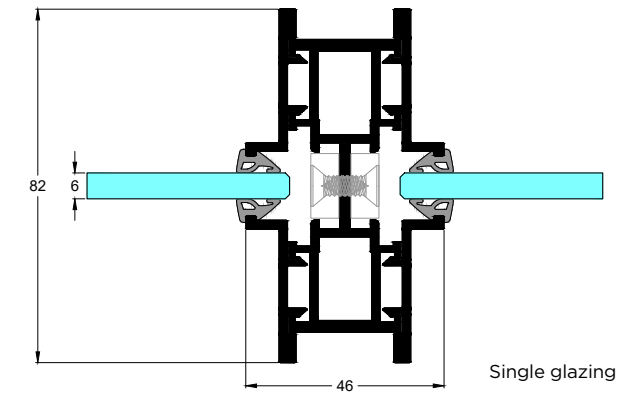
- Slim design
- Maximum transparency and light diffusion (structural version)
- Upgraded noise reduction
- Complete solutions for every need and desire

## Applications

- Offices and reception rooms
- Hotels, airports, restaurants
- Conference and exhibition spaces
- Interiors in residences

## Configurations

Fixed, fixed with glass opening door, fixed with glass sliding door.



TECHNICAL CHARACTERISTICS	SINGLE GLASS	DOUBLE GLASS	STRUCTURAL
MINIMUM FACE HEIGHT mm	46	46	13
FRAME HEIGHT mm	26	26	31
FRAME WIDTH mm	68	68	52
SASH HEIGHT mm	14	14	14
SASH WIDTH mm	45	45	45
GLASS THICKNESS mm	6	6+6	6+6

PERFORMANCE	SINGLE GLASS	DOUBLE GLASS	STRUCTURAL
SOUND REDUCTION $R_w$ (C;Ctr) ISO 10140-2	38 (-2;-4) dB	39 (-2;-4) dB	40 (-3;-9) dB

# SH700/750

## Rolling Shutters

High performance and enhanced protection.



## System Identity

The insulating rolling shutter system SH750 combines aesthetics and functionality while exceptionally meeting the energy saving and security requirements.

World class insulating rolling shutter system SH750 offers excellent aesthetics and high functionality efficiency.

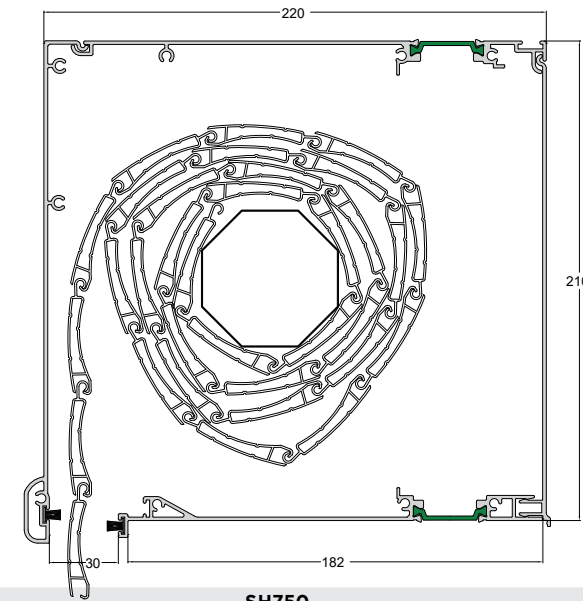
The system performs at the highest level of thermal insulation with  $U_{sb}=1.1 \text{ W/m}^2\text{K}$  offering excellent quality and reliability.

Despite its minimal design, the system provides even greater safety features, ventilation and lighting satisfying the most demanding customers and covering all special needs.

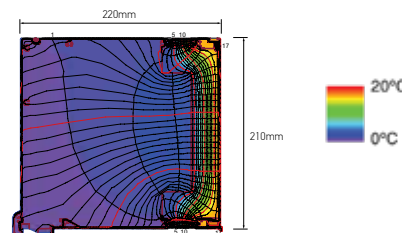
In addition, the system can be integrated with all ALUMINCO window and door systems.

## Features & Benefits

- Full range of insulating and non-thermal boxes
- Full range of aluminium slats
- Full range of guides covering all aluminum systems
- Complete range of accessories and mechanisms of high quality
- Four insulating and non-thermal boxes in the same dimensions
- Simply rails and rails with extensions
- Aluminium slats stuffed with polyurethane and aluminum sheets covering structures from windows to garage doors



SERIES	SH750	SH700
<b>INSULATION</b>		
POLYAMIDES mm	32	N/A
<b>BOX DIMENSIONS</b>		
155x200 mm FLAT-CURVED (NON INSULATED - INSULATED)	•	N/A
185x220 mm FLAT (NON INSULATED - INSULATED)	•	N/A
185x185 mm FLAT-CURVED (NON INSULATED)	N/A	•
210x220 mm FLAT-CURVED (NON INSULATED - INSULATED)	•	N/A
250x250 mm FLAT (NON INSULATED - INSULATED)	•	N/A
<b>RAIL</b>		
FLAT-CURVED	22-26.5	22-26.5
FLAT-CURVED (WITH FIN)	80-200	80-200
<b>SLAT</b>		
FACE HEIGHT mm	39-55.7	39-55.7
<b>CONSTRUCTION DIMENSIONS</b>		
WIDTH mm	600-4500	600-4500
HEIGHT mm	600-4900	600-4900
<b>CERTIFICATES/PERFORMANCES</b>		
RESISTANCE TO WIND LOAD EN 13659:2004+A1:2008	Class 6 (1405x2400)	N/A
RESISTANCE TO WIND LOAD EN 13659:2004+A1:2008	Class 6 (2800x2500)	N/A
THERMAL INSULATION $U_{sb}$ EN ISO 10077-2	$U_{sb}=1.1 \text{ W/m}^2\text{K}$	N/A



Rate of Insulation

**$U_{sb}=1.1 \text{ W/m}^2\text{K}$**

Thermal conductivity coefficient has been calculated in "Thermo" box 220x210 mm



# SH3200

## Shutter System

Passive solar shading suitable for residential buildings.



## System Identity

SH3200 is ALUMINCO's proposal as far as high-quality and wide-range shutters are concerned. It offers shading and ventilation and is ideal for private houses as well as traditional or even listed buildings.

The system allows a variety of constructional options, in all possible typologies, in a classic or modern design, matching with opening aluminium systems, working as an independent structure as well.

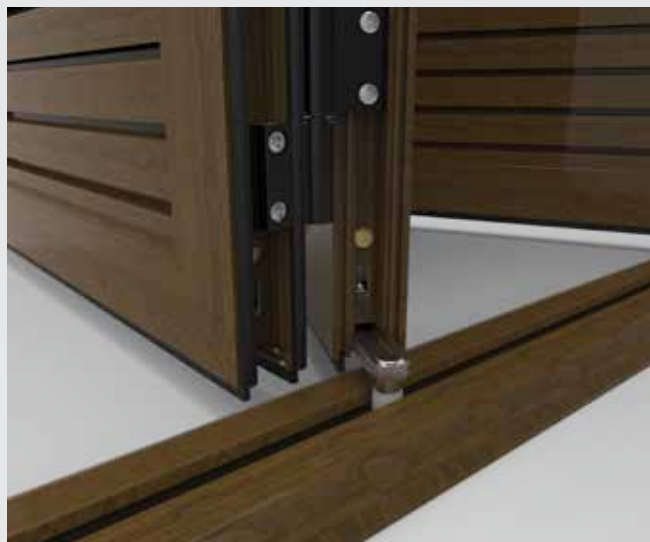
Any fixed louver can adapt to it, including the 25mm movable louver system. The SH3200 is extremely friendly and practical to use, unique in its kind.

## Features & Benefits

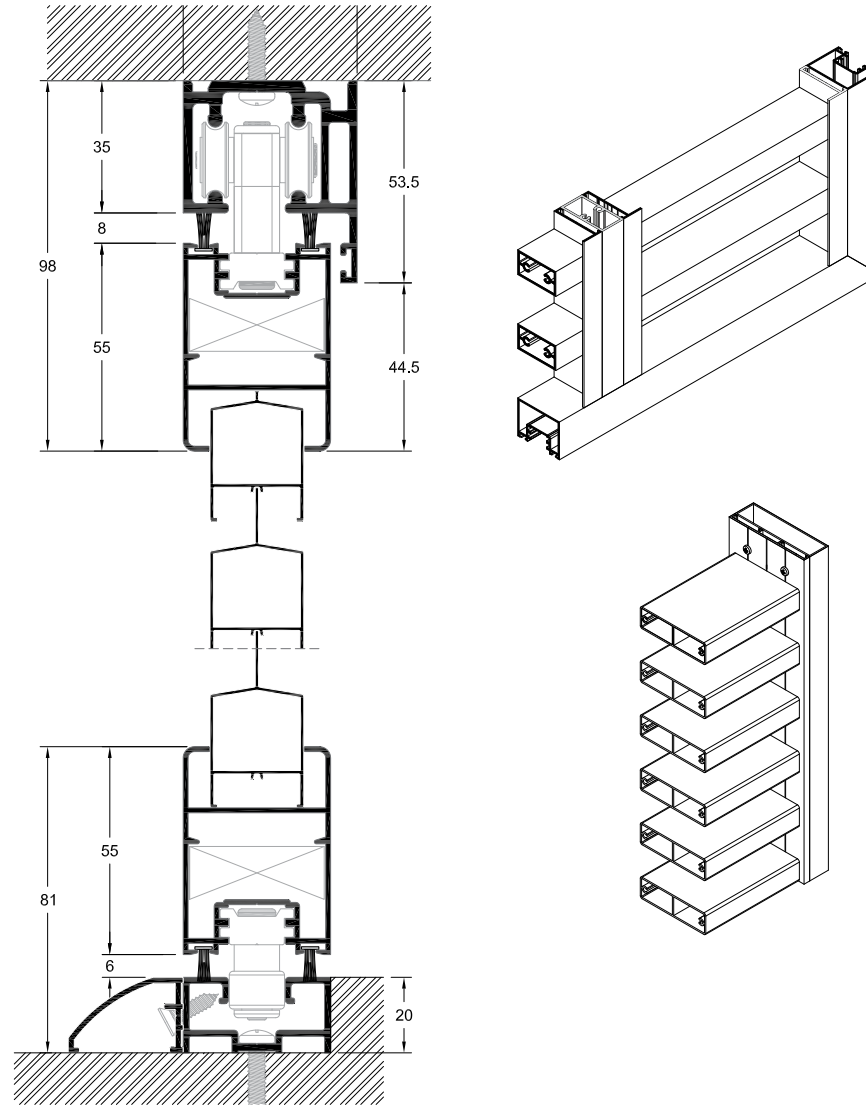
- Constructions of opening, sliding and folding shutters systems by using the same sash.
- Use of special rollers for smooth scrolling and alignment of the sash for both folding and sliding system.
- Large variety of opening shutters in all possible typologies (fixed, single-ply, two-ply, four-leaf).
- Accepts fixed louvers, oval and movable louver.
- Movable shading leaves placed on the outer or inner side of the railings and over the railing, ideal for applications on balconies.

## Configurations

Opening, Sliding, Folding, Fixed



Bottom sash guide roller for smooth movement.



CONFIGURATIONS	OPENING	SLIDING	FOLDING	FIXED
<b>SYSTEM PROFILE DIMENSIONS</b>				
MIN. FRAME DEPTH mm	39	39	46	39
MIN. FACE HEIGHT mm	88	81	81	56.6
<b>CONSTRUCTION DIMENSIONS</b>				
SASH WIDTH mm	250-750	250-1300	300-750	230-1300
SASH HEIGHT mm	250-2200	250-2200	300-2200	250-2200
MAX. SASH DIMENSIONS mm (WxH)	650x2200	1100x2200	550x2200	1100x2200
MAX. SASH WEIGHT Kg	80	80	30	N/A



# SH3400

## Shadow System

Protection against solar radiation and controlling of the natural lighting of buildings.



## System Identity

The specially designed blinds have the option to be placed either horizontally or vertically, movable or fixed, depending on construction needs and current architectural trends.

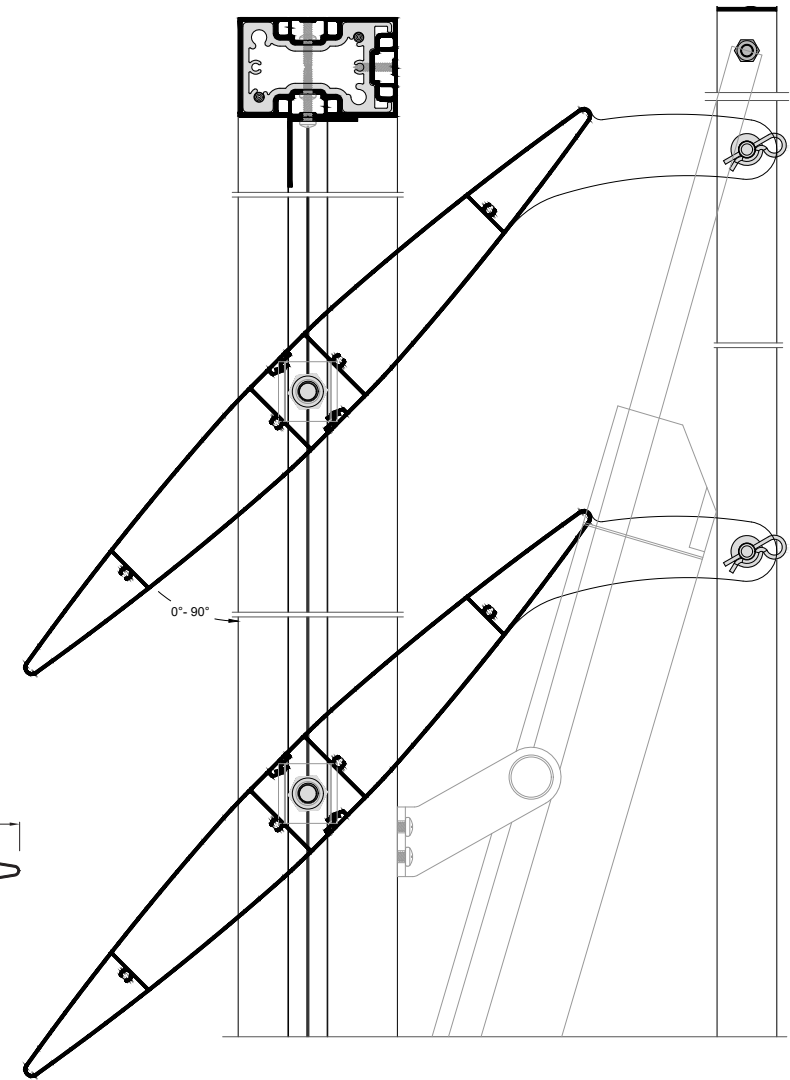
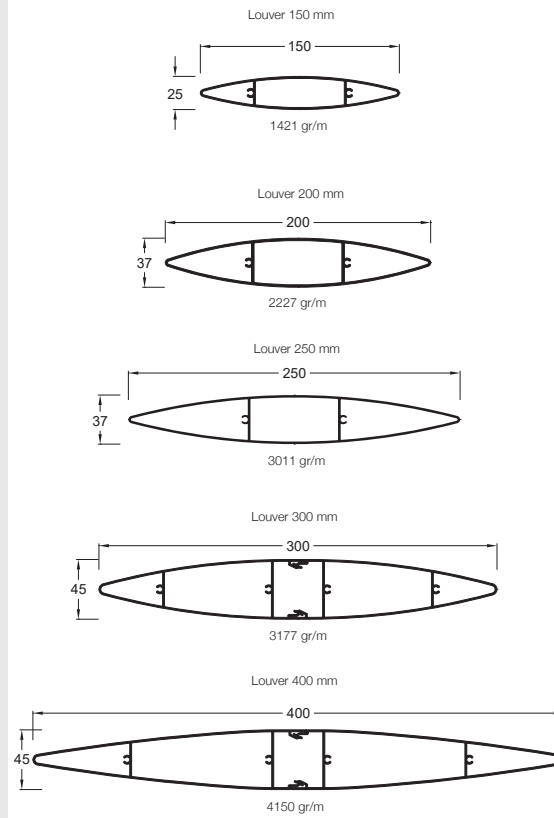
Its core characteristic feature and competitive advantage is that the gap between the frame and blind is just 10 mm, satisfying completely every requirement for minimization of solar radiation.

## Features & Benefits

- A big variety of different widths and louvers is available.
- Louvers with Fixed or Adjustable inclination.
- Constructions in Horizontal and Vertical layout.
- Ease of mounting, assembly and disassembly.
- Cooperates with the Curtain Wall System EW50, Standard & Structural, by ALUMINCO.



Elliptical design louver with adjustable incline



### CONFIGURATIONS

MOVABLE LOUVERS

FIXED LOUVERS

VERTICAL LOUVERS

HORIZONTAL LOUVERS

FIXED AND MOVABLE LOUVERS WITH CURTAIN WALL SYSTEM EW 50 STANDARD

FIXED AND MOVABLE LOUVERS WITH CURTAIN WALL SYSTEM EW 50 STRUCTURAL

### SYSTEM PROFILE DIMENSIONS

LOUVER'S FACE mm	37/45
LOUVER'S DEPTH mm	150-400
LOUVER WEIGHT Kgr/m	1.42-5.29

### LOUVERS' INCLINATION

FIXED LOUVERS: 0°-15°-30°-45°-60°

MOVABLE LOUVERS: MOTOR'S MOTION RANGE 0°-110°

### CONSTRUCTION DIMENSIONS

LOUVER'S SPAN mm	500-3500
------------------	----------

### PERFORMANCE (CALCULATED)

LOUVER 200 mm RESISTANCE TO WIND LOAD 1 KN/m<sup>2</sup> UP TO THE LENGTH OF 2300 mm INCLINE 90°

LOUVER 200 mm RESISTANCE TO WIND LOAD 1 KN/m<sup>2</sup> UP TO THE LENGTH OF 2800 mm INCLINE 45°

LOUVER 300 mm RESISTANCE TO WIND LOAD 1 KN/m<sup>2</sup> UP TO THE LENGTH OF 2800 mm INCLINE 90°

LOUVER 300 mm RESISTANCE TO WIND LOAD 1 KN/m<sup>2</sup> UP TO THE LENGTH OF 3400 mm INCLINE 45°



# EW50

## Curtain Wall System

High energy efficiency to fully meet all stability and safety requirements.





## System Identity

Curtain walls are constructions of high architectural interest mainly used in commercial buildings covering small or large surfaces. For this product category, ALUMINCO offers an integrated system where the very good thermal insulation, sound insulation and mechanical properties have secured the implementation of important and complex projects worldwide.

The properties of the system characterize its uniqueness while offering excellent aesthetics and functionality since it is designed based on the highest architectural and engineering requirements. The EW 50 includes a wide range of solutions and works perfectly with all shading systems.

## Features & Benefits

The EW50 system is divided into three main types:

### Standard

- The timeless classic curtain wall solution of ALUMINCO for robust and modern design with visible grids and multiple solutions to decorative covers.

### Structural

- The ultimate solution for facades of buildings cover, which hides the active participation of aluminum from its exterior.

### Linear

- The harmonious combination of Standard & Structural types creates a linear effect on aesthetic architectural applications.
- High degree of functionality
- Combination with doors and windows of the D75 / D90, W450 / W4750.

## Configurations

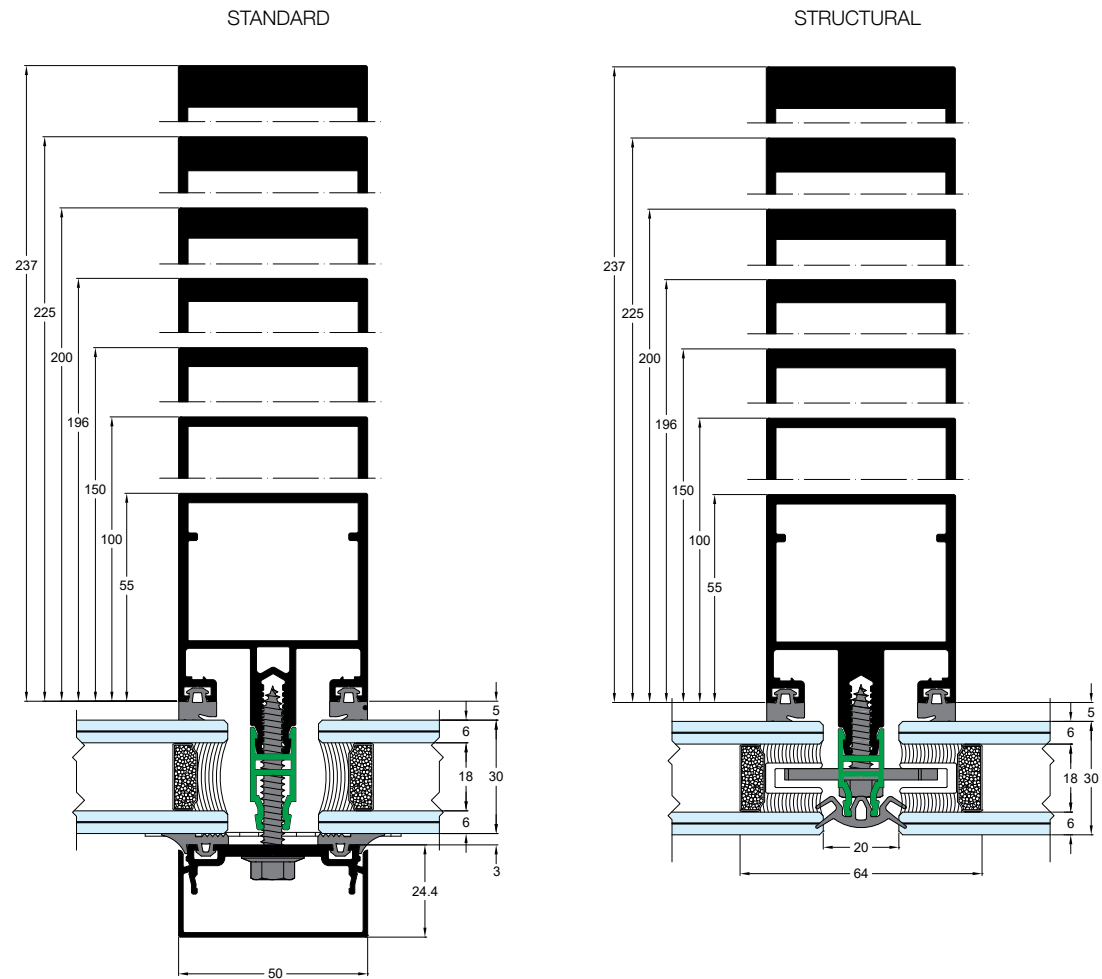
### Standard and Structural

Fixed, Fixed with Top-hung windows, Fixed with parallel projected windows, Fixed with inward opening windows,

Fixed with tilt and turn opening windows, Fixed with entrance door, Corner inside/outside

### Linear

Fixed, Corner inside/outside



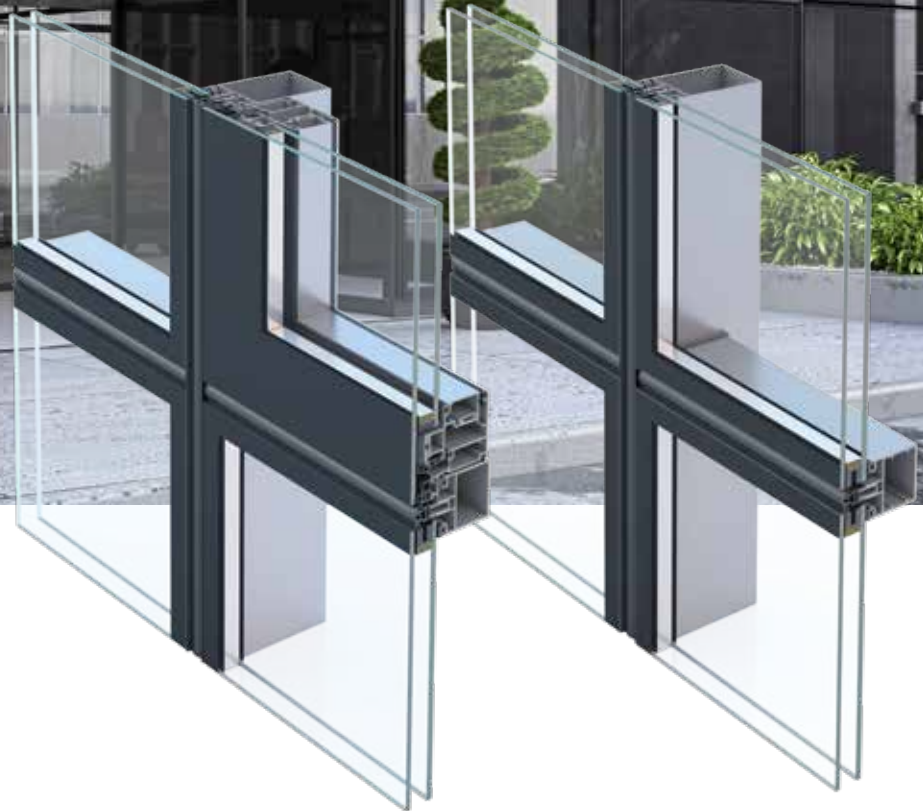
TYPE	STANDARD	STRUCTURAL	LINEAR
<b>DIMENSIONS</b>			
MULLION/TRANSOM WIDTH mm	50	50	50
MULLION/TRANSOM DEPTH mm	16-237	16-237	16-237
GLASS THICKNESS mm	6-52	30 or 32	30 or 32
<b>CERTIFICATES/PERFORMANCES</b>			
AIR PERMEABILITY EN 12207	Class A4		
WATER TIGHTNESS EN 12208	Class RE 1200		
RESISTANCE TO WIND LOAD UNI EN 12179	Design load: $\pm 2000$ Pa (203 Kg/m <sup>2</sup> ) Increased load: $\pm 3000$ Pa (304 Kg/m <sup>2</sup> )		

STUDIO LAB

EXCEPTIONAL  
SOUND  
PERFORMANCE  
SOLUTION

# EW50 SP

**Curtain Wall System**  
Outstanding sound performance.



## System Identity

The EW50 SP is a thermally insulated curtain wall system for robust constructions of large glass surfaces, designed with reinforced profiles and new system components that meets the highest requirements in sound performance. This curtain wall system is standard type (mullion / transom) with horizontal and vertical cover. Mullions and transoms are made with the same profiles of 50 mm sightlines. EPDM gaskets and a special thermal and acoustic isolator are used to optimize the insulation of the system. It also offers the possibility to integrate triple glazing. This option increases the size of the glazing, giving the benefit to meet demanding projects in terms of thermal and acoustic performance. In addition, the possibility of incorporating opening frames can be achieved with ALUMINCO's doors and windows series. The ALUMINCO EW50 SP is well equipped to deal with the requirements that enhance the living and working environment of a building.

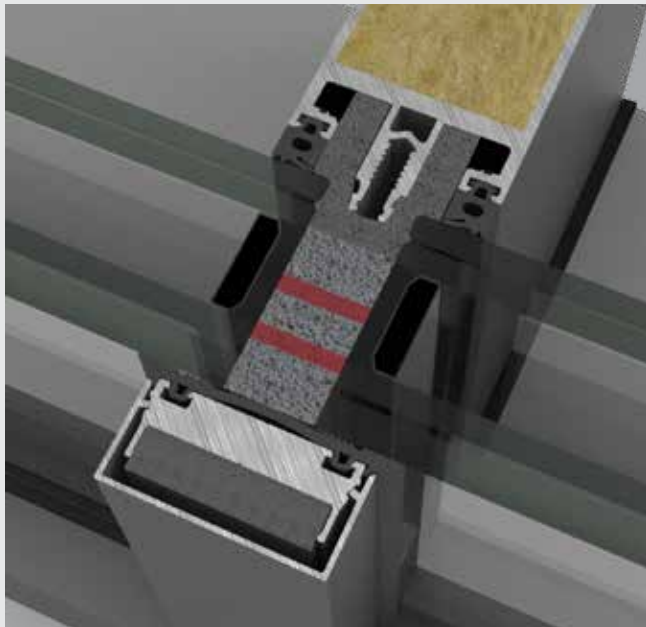
## Features & Benefits

- Outstanding sound insulation
- Optimum thermal insulation
- High degree of functionality
- Triple or double glazing solutions

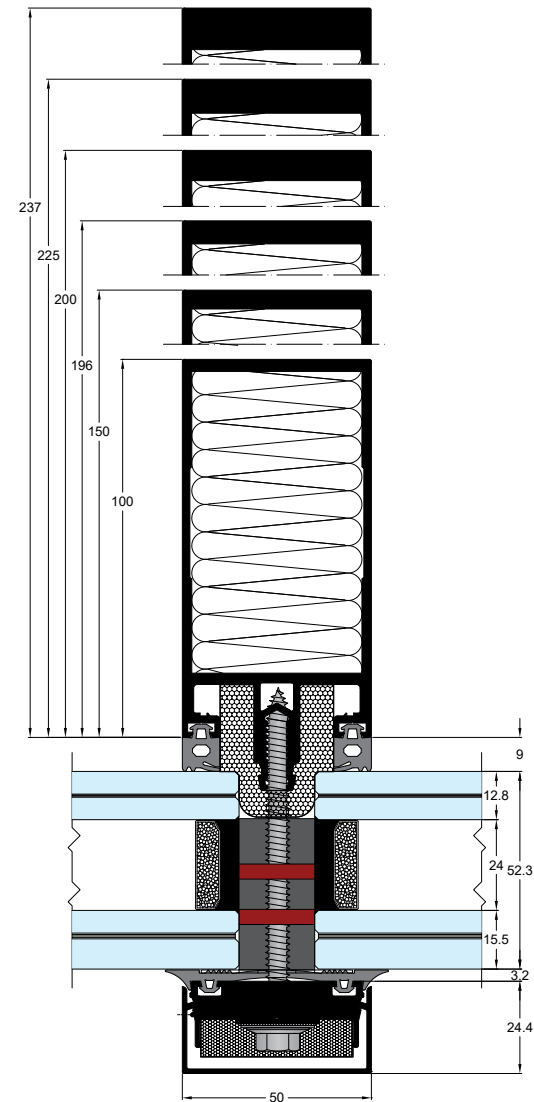
## Configurations

### Standard

Fixed, Corner inside/outside



## SOUND PERFORMANCE



### TECHNICAL CHARACTERISTICS

EXTERIOR VISIBLE WIDTH	50 mm
DEPTH MULLION	50-237 mm
DEPTH TRANSOM	150 mm
GLASS THICKNESS	12-64 mm
MULLIONS MAX INERTIA	$I_x=1881 \text{ cm}^4$ $I_y=83 \text{ cm}^4$
TRANSOMS MAX INERTIA	$I_x=322 \text{ cm}^4$ $I_y=44 \text{ cm}^4$

### CERTIFICATES/PERFORMANCES

AIR PERMEABILITY EN 12152 & 12207	Class A4
WATER TIGHTNESS EN 12208	Class RE1200
RESISTANCE TO WIND LOAD EN 12210	Design load: $\pm 2000 \text{ Pa}$ (203 Kgr/m <sup>2</sup> ) Increased load: $\pm 3000 \text{ Pa}$ (304 Kgr/m <sup>2</sup> )
SOUND REDUCTION $R_w$ (C;Ctr) ISO 10140-2	52 (-3;-7) dB
THERMAL INSULATION EN ISO 12412-2	1.64 W/m <sup>2</sup> K



# WALL & DECO

**Contemporary Wall Cladding Solutions**  
Upgrading overall aesthetics and energy levels.

## System Identity

WALL & DECO is ALUMINCO's proposal for particularly modern wall cladding constructions. It is a lightweight system, which provides coverage of large surfaces, applied both to the exterior and interior of buildings, enhancing the overall aesthetics and upgrading the energy levels.

Designed in minimal line and in numerous decorative variants, WDs provide a high degree of freedom in the design process of a space, applying perfectly well in commercial buildings, offices as well as modern residences with a unique style.

## Features & Benefits

- Designed to meet the new Architectural trend.
- Provides a variety of design shapes in typologies, applications, colors, textures.
- Allows for the installation of LED lighting strips.
- Easy installation, assembly, quick and accurate placement in masonry.
- The installation of the profiles in each typology is achieved with hidden connections (eg hidden installation screws, invisible support base).
- Common assembly fixation of the profiles upgrading the aesthetic result.
- Allows complex technical applications, i.e. combinations with glass curtains, windows, entrance doors, etc.
- Application on walls, ceilings, doors, interior partitions, garage doors, and front doors.
- Suitable for large surfaces of professional, commercial buildings, offices, and modern homes.
- Resistance to corrosion, thanks to the durability of aluminum and its surface treatments.

## Exterior appearance - designs

### Five profile proposals and their combinations

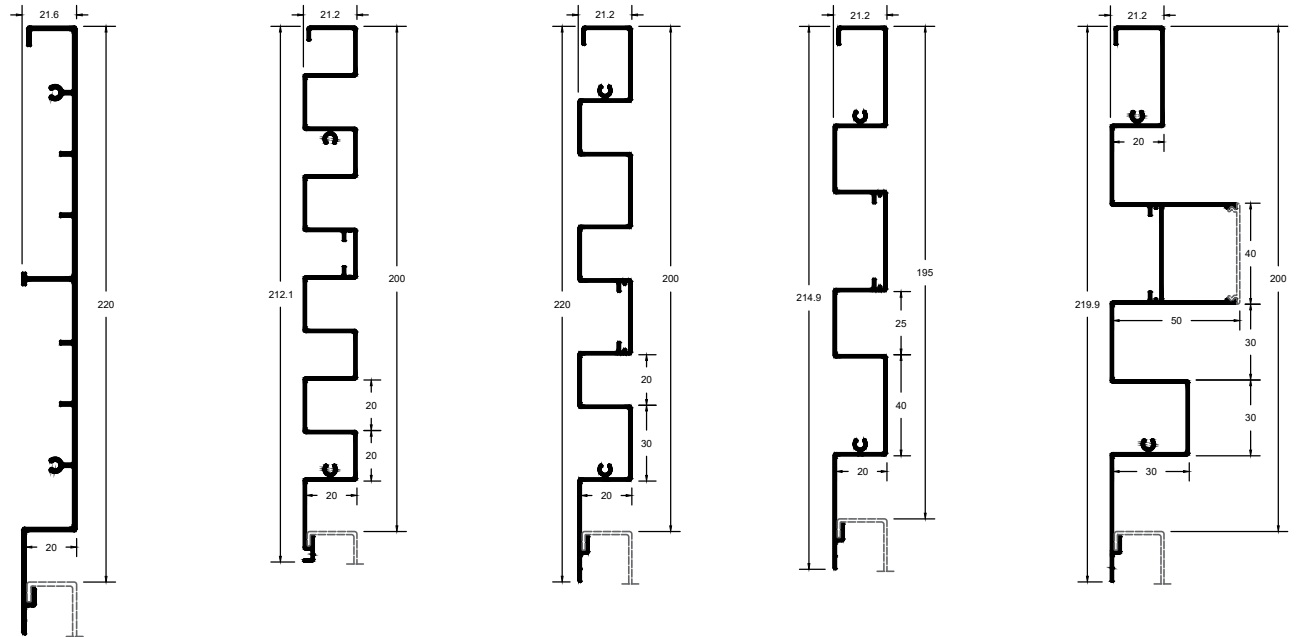
WD-2001 / WD-2020 / WD-2030 / WD-2040 / WD-2050

## Configurations

### Horizontal / vertical installation of the profiles

### Combination between profiles

### Option for LED lighting integration



### TECHNICAL CHARACTERISTICS

PROFILE DEPTH	20-50 MM
VISIBLE PROFILE VIEW WIDTH	20 / 30 / 40 / 200 mm
VISIBLE VISUAL GAP	20 / 25 / 30 mm
MAXIMUM VISIBLE PROFILE SURFACE	200 mm

### CERTIFICATES/PERFORMANCES

SOUND REDUCTION Rw (C;Ctr) ISO 10140-2	40 (-2;-6) dB
----------------------------------------	---------------

RAILING SYSTEMS



# RAILING SYSTEMS

Innovation has been our drive from day one in ALUMINCO!

Back in 1980's, ALUMINCO made a worldwide statement by producing the elegant and traditional designs of railings in cast aluminum! It was a turning point where the past met the future!

Today numerous, innovative product solutions, characterised by minimal design, extreme robustness and enhanced levels of safety, come to enhance our selection for this product category, all in the philosophy of **We are a part of tomorrow!**

Keeping up with the latest trends, technologies as well as complying with the strictest international specifications, gives our customers the confidence of selecting ALUMINCO railings!

No matter which architectural style you wish to set forth, ALUMINCO has the right system which will give the final touch to any house or building.

**Find out more on our unique systems, Fusion Line - Crystal Line - Classic Line - F50 Anodized Line, railings and balusters with character who are synonymous with quality.**





# FUSION LINE

Timeless  
elegance and  
reliable safety  
in absolute  
balance.

In the great family of ALUMINCO's railing systems joins the series Fusion Line. The new series takes its name from its ability to combine with harmony and fantasy glass with aluminum in countless combinations, while at the same time to remain uncluttered, affordable luxury and very beautiful.

In this new series are the following types:

**ORBIT, ELXIS, SYNTHESIS**

Fusion line dramatically improves the most important aspects of the Railings experience. It introduces advanced and robust profiles for extra strength, unique design for impressive look and the best performance ever in a railing system.





## HIGHLIGHTS

### Minimalist Design

Thanks to the extreme simplicity and minimal nature of the fusion line series, it actually works really well as a visual element.

### Reliable safety

Fusion line railings perform extremely well, providing utmost safety and protection.

### Easy & Fast Installation

Fusion line railings are carefully designed to help installers benefit from quick and easy installations at all stages of their placement.

### Three types. Endless possibilities

Orbit, Elxis and Synthesis blend aluminum and glass together in numerous unique combinations.

### Tested & Approved

Fusion series have been tested and approved by notable Testing Laboratories to meet and exceed quality, safety and performance standards.

intertek



The Orbit line offers the unrivalled advantage of an unconventional design of modern line and high security robust railing architectural solutions. Among other, it supports special hotel partition applications that stand out for their aesthetics and functionality.





The Elxis line features a modern design that highlights the simplicity of the lines, ideal for minimal design spaces. It offers innovative solutions for large glazing openings while meeting the high performance standards of demanding projects.





The Synthesis line is characterized by modern aesthetics and an endless variety of profile combinations. Its uniqueness lies on the fact that 80% of its construction work can be carried out in the factory and only 20% on site.

ARCHITECTURAL  
SYSTEMS

RAILING  
SYSTEMS

OUTDOOR  
SYSTEMS

DOORS  
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PHOTOVOLTAIC  
SYSTEMS

INDUSTRIAL  
APPLICATIONS

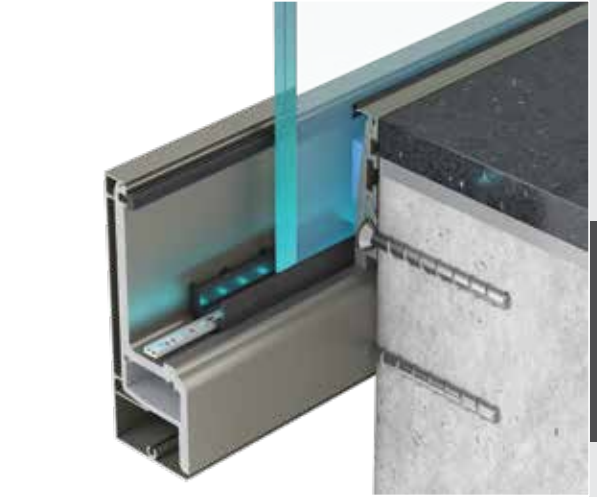
ACQUISITIES  
& SERVICES

# Crystaline<sup>®</sup>

railing system

**Crystal line**  
Top transparency  
which surpasses  
human expectations

Modern people's need for more transparency, brightness and aesthetics are best met by ALUMINCO's proposal in the glass railing category. Crystal Line stands out for its unique design, functionality and safety, offering innovations that have been designed to meet current real-world needs. It is available in 3 basic types, floor and side to floor or parapet, with numerous personalized options. It is available in all anodizing and electrostatic paint colors with the choice of various shapes of handrail. The ultimate sense of freedom is uniquely achieved by the Crystal line, the ideal solution for balconies, stairs and fences with high architectural requirements.



ARCHITECTURAL SYSTEMS

RAILING SYSTEMS

OUTDOOR SYSTEMS

DOORS PANELS

PHOTOVOLTAIC SYSTEMS

INDUSTRIAL APPLICATIONS

ACTIVITIES & SERVICES

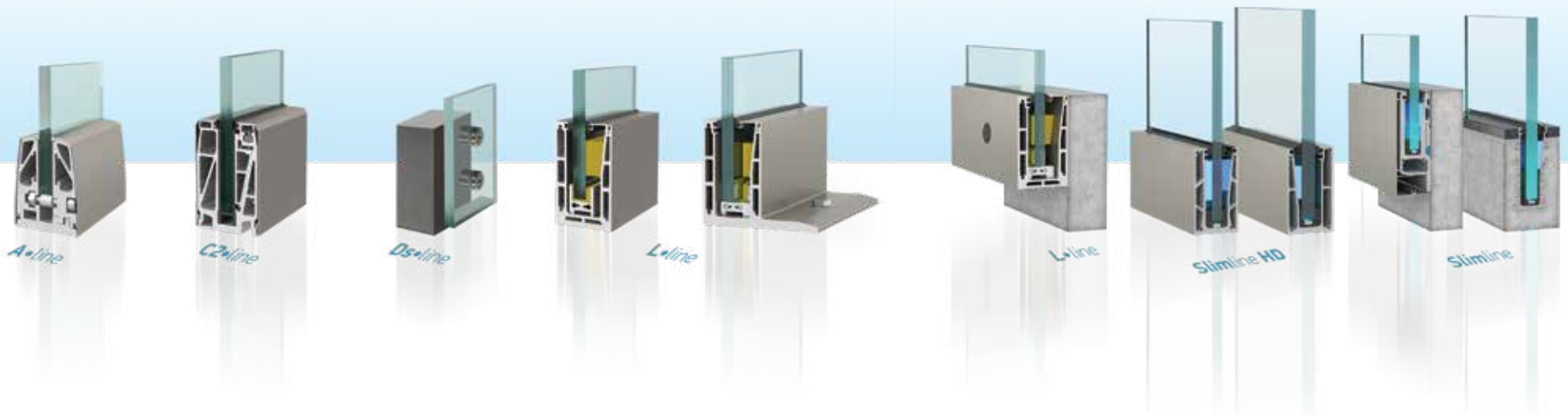
SYSTEM	MOUNTING			GLASS THICKNESS <sup>1</sup>	LOAD	DOMAIN OF APPLICATION <sup>2</sup>			TESTED & APPROVED BY					
	Top Mount	Side Mount	In-Floor			Private	Commercial	Public	IFT Rosenheim	BBRI	FTL	Instituto Giordano	Intertek	CSTB
<b>A LINE</b>	■			17.52 mm	≤ 1 kN/m	■	■		■			■		
<b>A10 LINE</b>	■			10.76 mm	≤ 0.5 kN/m	■			■					
<b>C2 LINE</b>	■			17.52 / 21.52 mm	≤ 1 kN/m	■	■		■		■			
<b>C2U LINE</b>			■	17.52 / 21.52 mm	≤ 1 kN/m	■	■							
<b>DS LINE</b>		■		17.52 / 21.52 mm	≤ 1 kN/m	■	■				■			
<b>L LINE</b>	■	■		17.52 / 21.52 mm	≥ 3 kN/m	■	■	■	■	■			■	■
<b>SLIM LINE HD</b>	■			13.52 / 21.52 mm	≤ 2.5 kN/m	■	■	■	■					■
<b>SLIM LINE</b>	■	■	■	11.52 / 21.52 mm	≤ 1 kN/m	■	■		■					■

1. GLASS: Laminated Tempered

2. PRIVATE: Spaces such as Houses, Residences, Villas

COMMERCIAL: Spaces such as Offices, Shops, Retailers

PUBLIC: Spaces such as Shopping Malls, Stadiums, Airports



The innovative Crystal line system have been installed in countless projects around the world, each one having its own distinctive features and architectural requirements.

### **Make a real statement in terms of safety**

Safety and protection are fundamental priorities during the design and development process of Crystal line railings. Plenty of certifications from internationally recognized institutions ensure maximum user safety.

Among these are:

- Intertek (USA)
- FTL (Florida, USA)
- IFT Rosenheim (Germany)
- BBRI (Belgium)
- Istituto Giordano (Italy)
- CSTB (France)

intertek



ISTITUTO  
GIORDANO



CSTB

Whether your project is an average residence or a commercial place, an airport or office or sports stadium, Crystal line systems are able to adapt and deliver the perfect solution.

# Slim line

ARCHITECTURAL  
SYSTEMS

RAILING  
SYSTEMS

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SYSTEMS

DOORS  
PANELS

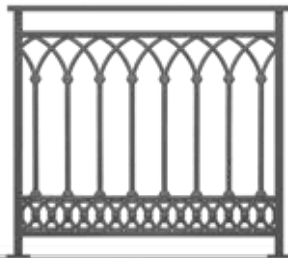
PHOTOVOLTAIC  
SYSTEMS

INDUSTRIAL  
APPLICATIONS

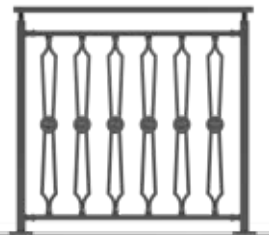
ACTIVITIES  
& SERVICES

# Classic line

Authentic cast lines  
without restrictions



They are available in a wide variety of traditional and modern designs and in unlimited color variations while they are made of long-lasting aluminum alloy and profiles with anti-corrosion properties. They are distinguished for their durability without the need of time-consuming maintenance and are accompanied by a variety of components, offering solutions for multiple structures, with particular ease of installation and maximum protection against corrosion.







# CLASSIC LINE

ARCHITECTURAL  
SYSTEMS

RAILING  
SYSTEMS

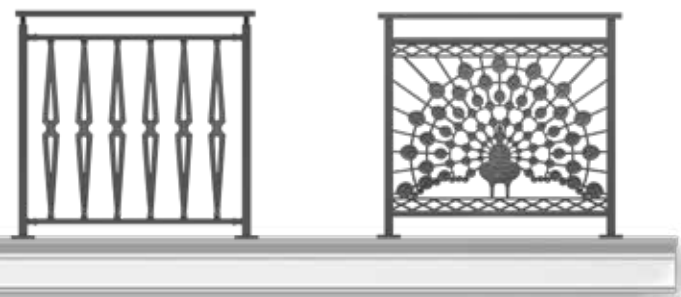
OUTDOOR  
SYSTEMS

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SYSTEMS

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APPLICATIONS

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& SERVICES



# F50

## Wild charm that goes beyond the limits of imagination

Twenty different types combine robust forms and aggressive proportions of profiles into a uniquely unconventional and yet modern railing system.

F50 Railing System is based on an extremely simple design and constructional concept: a tubular system of anodized or polyester powder coated aluminum, which is elaborately bonded with connectors and supports creating a discrete, distinctive and high aesthetics result.

Its metal elements fit in harmony together forming an extremely elegant, beautiful, and inspiring look. They can optionally be combined with a variety of Lexan® polycarbonate sheets or glass, offering unlimited options for numerous architectural applications. The F50 Railing System applications are unlimited and offer unique solutions to the contemporary constructions in indoors and outdoors, balconies, indoor and outdoor stairs, swimming pools and public areas.



ISTITUTO  
GIORDANO

**F50**  
RAILING SYSTEM



ARCHITECTURAL  
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& SERVICES



# OUTDOOR SYSTEMS

Outdoor living systems such as windscreens, pergolas, verandas, gates, fences, canopies and lighting and garden furniture, in a wide range of models and designs, offer complete solutions in the modern architectural design of homes and business premises.

Designed to blend in harmony with the natural surroundings, these products offer practical and highly functional solutions, protection from the sun and the wind, giving privacy for every open space, ideal to residential or commercial areas such as home gardens, cafes, restaurants and hotel units.

An extensive selection of models, color finishes and technical features make these products a unique choice! All products are characterised by minimal design, extreme robustness and uncompromising functionality and durability over time, without special maintenance requirements.

**Limitless options that combine aesthetics with top quality, will inspire you. Match what reflects your personal taste and lifestyle.**

# OPEN AIR

Outstanding flowing design  
made of glass and aluminum.

The Open Air system is a world-class technological breakthrough concept providing endless options for the most demanding design or construction.

Combining innovative technologies with special design lines, the Open Air models PLUS, ULTRA PLUS, FIXED, GLASS WALL, E-MOTION constitute the ultimate solution for professional sites and outdoor spaces such as restaurants, cafes, hotels and more. A unique innovation, patented\* and available exclusively from ALUMINCO, where the moving part of the system is raised or lowered with a single motion and effortlessly according to our wishes and weather conditions.

Open air system is available in 3 standard types OA 1600, OA 1800, OA 2000 based on height parameter and each type is available in 5 different lengths 1000 mm, 1200 mm, 1500 mm, 1800 mm and 2000 mm. All types of the Open air system can be delivered in two standard corners of 90° angle, internal and external. Unique optional solutions such as trolley base, sealing support and additional profiles add value to the Open air experience, whilst offering complete customer satisfaction down to the last detail.

Each Open Air model is the aftereffect of handmade expertise which you can rarely come across throughout the aluminum industry. All editions carry the specially designed logo Open Air by ALUMINCO stressing further the culture of excellence and offering a unique experience to the end user. A one-of-a-kind experience!

\* Hellenic patent number: 1008916  
Registered to European patent: 3359757  
United States patent number: US 11,203,874 B2

Open air  
PLUS

Open air  
ULTRA+



# Open air

by ALUMINCO



## Outstanding Elegance

The least visible aluminium frame achieve a minimal and modern style while the laminated glass release the maximum of natural light in the inner environment.

## Easy to Use

It can be raised and lowered with a simple motion. It is designed to be easy and flexible to handle.

## Light & Robust

The frame is made of aluminium, equipped with safety glass, tempered in the fixed part and triplex at the moving sections. It is designed to demonstrate outstanding durability against external pressure.

## Unique Open Air Protection

All modules perform extremely well in open air spaces providing sound reduction and high protection against all weather conditions.

## Convenient Installation

Open Air modules are carefully designed to help installers benefit from quick and easy installations throughout carrying and mounting stages of modules.

## Tested & Approved

Open Air Systems have been tested and approved by notable Testing Laboratories to meet and exceed quality, safety and performance standards.



intertek



# Open air eMOTION

Open Air E-MOTION is the electrical version of the Open Air system, that cleverly decorates outdoor living spaces, operating with a unique and controllable mechanical system. Open Air E-MOTION can fit and adapt to every environment, impresses with its dimensions and offers an enjoyable experience.







Open air



## Open air Glass Wall

Glass Wall system is available in 6 standard types - OA 1000, OA 1100, OA 1200, OA 1600, OA 1800, OA 2000 - based on height parameter and each type is available in 5 different lengths - 1000 mm, 1200 mm, 1500 mm, 1800 mm, 2000 mm. Glass Wall system is also available, upon request in custom lengths of a 5 mm step ranging 1000-2000 mm

Fixed range offers unlimited possibilities and solutions, which cover every need in aesthetic and functional level.

- Distinct collection of fixed configurations suitable for commercial and residential buildings.
- A choice of every combination of glass panels, rabote with glass, in oval or straight line, offers you limitless possibilities.
- The Fixed range is available in a number of variations of length, height and plans (subject to technical feasibility).
- Fast and easy construction and installation.
- Glasses are easily branded with vinyls of your logo or supplier's sponsor.
- A wide range of applications and colors choices (RAL, anodized and imitation wood finishes).





# OUTDOOR *living*

## PERGOLAS

Pergolas systems, in modern and traditional design, ensure absolute shading regulation and protection from solar radiation while offering unique aesthetic and energy upgrade.

In perfect harmony with the natural environment, ALUMINCO's Pergolas know no limits and make a stylish addition to every open space. Excellent for private houses, hotel units, restaurants and cafes for all seasons.



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# OUTDOOR *living*

## GATES & FENCES

Gates and fences offer you limitless possibilities whereas design and functionality flow together harmoniously, creating a lasting beautiful piece for any home entrance.

Designed to simplify life, with emphasis on the detail, combine the ideal solution for modern living and for buildings with demanding specifications.

Available in many designs and even more wonderful combinations, with unlimited color options, easy to assemble and fit without the need for systematic maintenance.



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# DOOR PANELS

Our range of Door Panel offers a large selection of models and style, such as Traditional Panels, a contemporary Inox selection as well our EISSODOS Suite selection available in a large range of colour finishes, all synonymous to high quality and aesthetics.

ALUMINCO Door Panels are totally made from aluminium sheets and high density insulating material (extruded polysterene), all totally maintenance free and highly resistant to extreme weather conditions.

By applying decorative details and components such as cast aluminium elements, inox elements, artistic glasses (fused glazing), as well as handmade stained glass, makes these Door Panels works of art!

Personalized optional finishes like wood finish on aluminium surfaces, are available for the most particular customer.

**To keep up with the trend of style, we adapt our selection of Door Panels to meet our customers' need for new ideas and keep their smile on their face when they use an ALUMINCO Door!**

**HDS** **ULTRA**  
**PLUS**



# ALUMINIUM PANELS

Aluminum panels are offered in multiple design proposals and a wide range of materials and colors that stimulate attention.

All series are made of high quality aluminum sheets according to the strictest specifications in order to maintain their durability.

The highest technical performance is achieved through the use of the innovative composition of materials, named HDS Ultra Plus, offering advanced sound insulation, top quality and unrivalled functionality.

The panels are available in a variety of sizes but also offer the ability to cut to the desired dimensions.



# ISSODOS SUITE

The entrance door of a home, office or any other building is the first experience to be remembered by a visitor but at the same time satisfies the deeper, subconscious wishes of its owner.

ALUMINCO's new aluminum panel series ISSODOS SUITE is a modern and unique masterpiece. It impresses with a wide range of designs, colors and decorative options, combining perfectly the love of the classic with the charm of the modern.

The elegant thin lines, a symmetrical look, the value of materials and perfect design give a beautiful and sophisticated result, making professionals delighted and fully satisfy end users.





# PHOTOVOLTAIC SYSTEMS

The best-known renewable energy source in Greece is its sun.

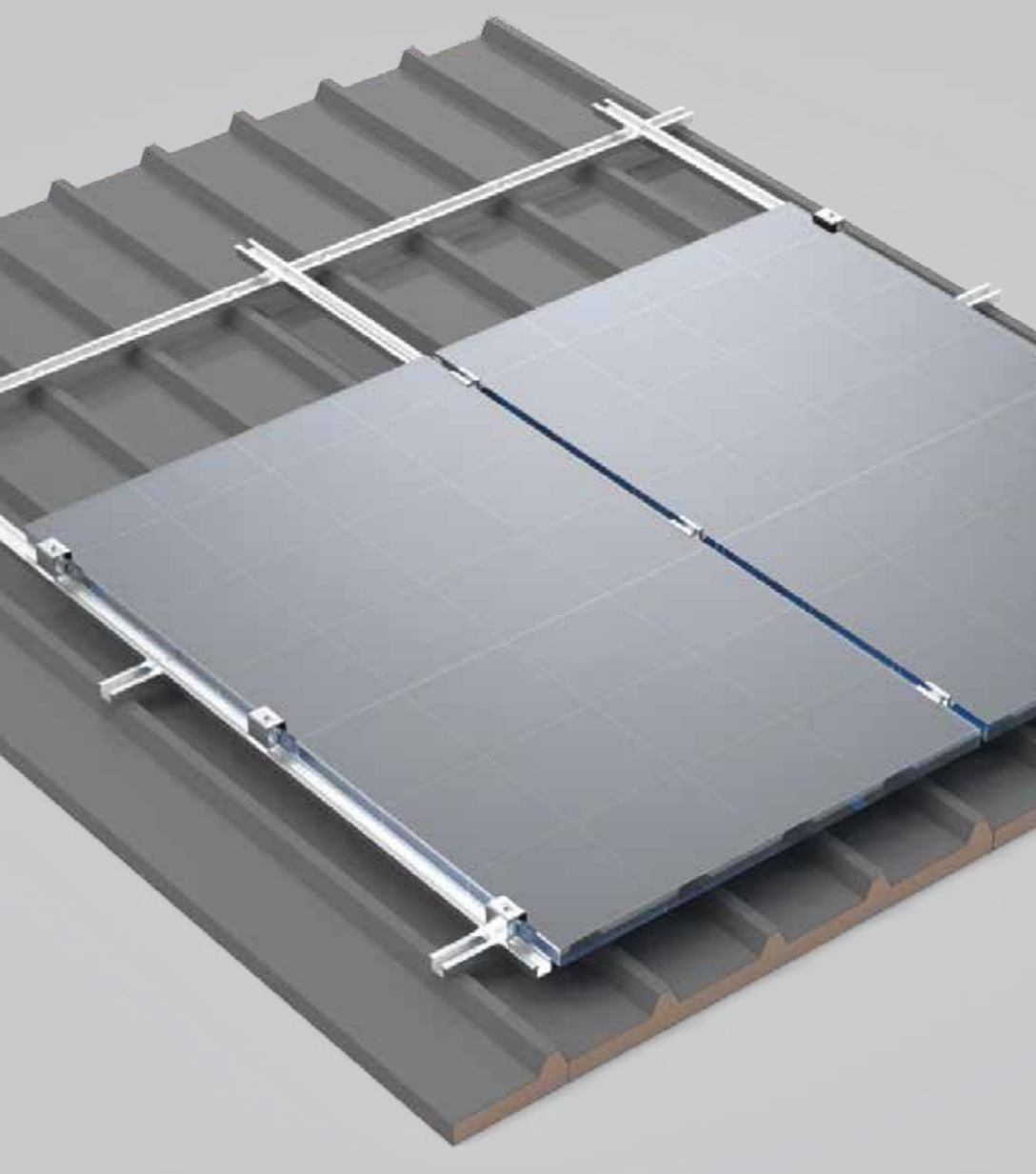
The energy upgrade of buildings in combination with the self-production of electricity to cover the remaining needs is the most reliable way of dealing with the unbearable energy costs but also the only way of shielding households and businesses against the uncertainty of the change in fuel and energy prices in the next years. Photovoltaic systems can harness solar energy whether it is for industrial or home use.

ALUMINCO S.A., one of the leading Greek aluminum companies, in the context of the wider "green" strategy and sustainable development, is a pioneer in the field of Renewable Energy Sources with a full range of supporting systems for photovoltaic panels in parks, on tiled roofs, on flat roofs and on industrial roofs.

Their main advantages are the reduction in installation time (up to 50% with the FAST LOCK system), the ease of assembly, their well thought out application either in portrait or landscape layout, made of highly corrosion resistant aluminum alloys, with materials of high quality and in compliance with Eurocodes and Greek Code for Seismic Resistant Structures.

The support systems for PV panels are designed and produced in ALUMINCO's modern facilities, in Inofyta Viotia and in Kalochori Thessaloniki, with the possibility of immediate delivery time without any compromise on quality.

**Discover the complete range of ALUMINCO PV Mounting systems, with the distinctive names FAST LOCK, ESTIA, ELECTRA and FAETHON, and learn more about their advanced technical features.**



## **FAST LOCK** for industrial roofs

The support system for photovoltaic panels on an industrial roof, consists of an aluminum guide on which the photovoltaic panels are placed, and the support of the guide is done by a specially designed self-drilling screw, or with a special screw, depending on the type of support foot, and the demarcation of the PV Panel (Landscape / Portrait).



## **ESTIA** for tiled roofs

The system for supporting photovoltaic panels on tiled roofs, in combination with ALUMINCO's innovative special type Cast Aluminum tiles, which are protected by an international patent, ensures the excellent waterproofing of the entire construction, without the slightest inflow of water inside the house.

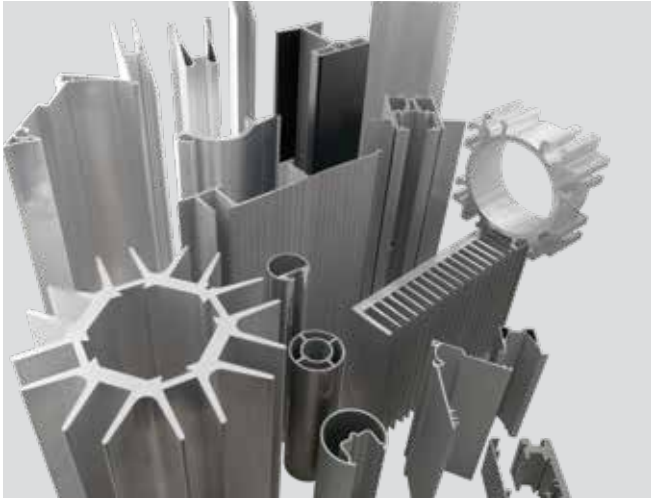


## **ELECTRA** for flat roofs

The system for supporting photovoltaic panels on flat roofs (rooftops and roofs) has the ability to support polycrystalline, monocrystalline, photovoltaic panels and is delivered individually as profiles and components, or ready-made construction cut, & perforated according to the requirements and the dimensions of each project's photovoltaics.

## **FAETHON** for parks

For the construction of the profiles bases, only vertical cuts and perforations are needed and no other specialized tools. Thus, the possibility of manufacturing bases is provided to all manufacturers, regardless of size, at a very low cost.





# INDUSTRIAL APPLICATIONS

Being part of TOMORROW demands wise investments in human expertise and cutting-edge machinery. Dedicated on both sides, we are capable, through our modern production facilities, to produce industrial aluminium profiles from the simplest to the most complicated ones, creating innovative solutions and high-quality products for industrial applications.

As a top, vertically integrated, European Aluminium extrusion industry, we can meet all your extrusion preferences offering a wide range of standard shaped profiles like round tubes flat bars, L-profiles, square and rectangular tubes etc., while at the same time our aluminium production expertise along with the high-end equipment safeguard the perfect result in custom made profiles according to customer's specific needs.

With strong partnerships around the world, our profiles cover the needs of our customers in every industrial field activity such as:

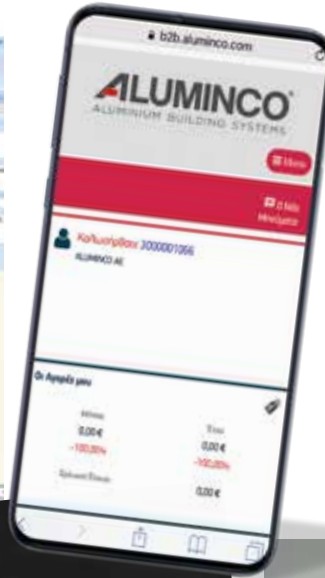
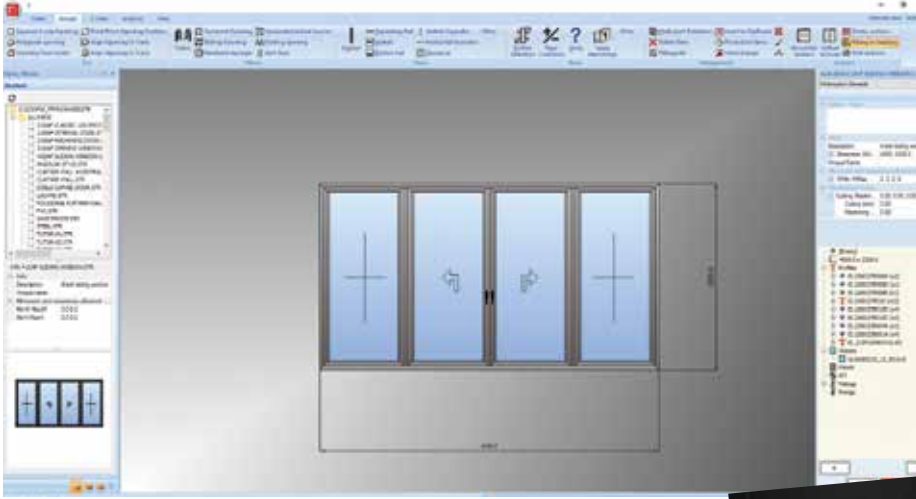
- Architectural Systems
- Shadings
- Ladders
- Internal office partitions
- Lighting Industry
- Automotive Industry
- Shipping Industry
- Medical Applications
- Road Transportation
- Railings

ALUMINCO based on its accumulated -through the years- experience, always focused on the global aluminium market and its needs invested substantial resources on its industrial profiles business unit. We are well equipped to serve both local and global customers - by working together as "One Company".

Our fully automated production units, our capabilities and pledge to responsible business and environmental practices render us a technology partner of preference. That's how we create sophisticated extrusion products that rank top in class and quality.

In addition, our team of engineers and services-oriented personnel is committed to safeguarding quality for our common projects and delivering the best.

- Die design and construction
- Surface Treatment, powder coating & anodizing
- Insulation
- Punching and CNC Machining
- Packaging and forwarding



# ACTIVITIES, SERVICES & TOOLS

ALUMINCO stands beside each and every single customer, offering all possible means of assistance in order to achieve a common benefit. We provide a holistic support for architects, fabricators, investors and private clients, through cross-media services & tools that generate added value. A large range of tools and services is at our partner's disposal.

- Engineering service for major projects from the design phase up to the implementation
- Specification Product Data Sheets
- Performance tests in our Testing Center
- Drawings in AutoCAD and BIM files
- Digital 3D printing and modeling
- ALUMINCO B2B Platform for online ordering
- Online Configurator for building constructions, calculation of bills of materials, costing and bidding.
- Uw application for certified thermal calculation
- Integrated FP PRO software "All in one" and computational tools
- Corporate website: [www.aluminco.com](http://www.aluminco.com)
- Technical documentation
- Training seminars and technical workshops
- Demo assembly videos on YouTube
- Electronic periodic newsletters
- Product and corporate brochures
- Work Book "ALUMINCO SELECTIONS"



# RESEARCH & DEVELOPMENT

## Research and Development

Our evolution and progress are an achievement coming from the inspiration of a group of people, the “heartbeat” of ALUMINCO, on whose inspiration and concept, we base our next steps and development. It is this very group of people who design, develop and test our systems before proceeding with the final validation with internationally accredited laboratories.

Working with devotion and continuous development, utilizing our resources to the maximum is our key to success. The philosophy of the company is that innovation is the key factor for being successful. Performance, aesthetics and longevity are amongst the characteristics of our systems.

As part of keeping up to date with the latest trends and technologies, internal training and seminars are held at frequent intervals, for the entire team of Research and Development as well as Sales team.

## Technical Support and Project Engineering Division

When it comes to a larger project which requires expertise and extensive engineering, ALUMINCO has put in place a highly qualified group of engineers capable to carry out any study and to offer the needed professional support to architects and fabricators.

Our team of engineers know what is required to combine the design aesthetics with functional performance to deliver a project that will stand the test of time. Our systems are constantly updated and enriched taking into consideration our customers' needs and suggestions.

Continuous information and support, close monitoring, in-depth solutions and studies, an integrated portfolio and a wider range of products are some of the company's competitive advantages.

## Advanced Testing & Optimising Center

As part of the development process, all product series are certified by notable International Institutions such as UK Laboratory Intertek, the US UL CLEB Test Laboratory, and the accredited German IFT ROSENHEIM Institute, for their outstanding characteristics and performances.

We use this expertise to test the performance level of our systems in our own in-house labs and support our partners with project-specific testing.

The ALUMINCO Testing Center is accredited and certified by the German Testing Institute IFT Rosenheim, providing reliable and secure results, based on globally recognised standards.

- EN 1026 Air permeability
- EN 1027 Water tightness
- EN 12211 Resistance to wind load
- EN 12046-1 Operating forces

intertek



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bbri.be  
BRIEFING & BUILDING RESEARCH INSTITUTE

QUALITY ASSURANCE & CERTIFICATES

*Romidot*

Products designed for quality



# QUALITY ASSURANCE & CERTIFICATES



**ISO 9001:2015**  
Quality Management System



**ISO 14001:2015**  
Environmental Management System



**ISO 50001:2018**  
Energy Management System



**ISO 45001:2018**  
Occupational Health and Safety Management System



**EN 15088:2005**  
FPC - Factory Production Control System



**QUALICOAT SEASIDE CLASS**  
Certificate of Compliance for Coating of Aluminium Profiles



**QUALICOAT QUALIDECO**  
Certificate of Compliance for Decoration of coated Aluminium



**QUALANOD**  
Quality certification of the anodizing process

We are committed to launch products of exceptional quality and high added value, always aiming at our customers' satisfaction.

Considering this, we constantly strive to improve each aspect of the production process and the supply chain to ensure premium quality.

As a top European company in our industry, it is paramount to have every aspect of our production process certified according to the strict European and international norms.

Quality & respect to the environment, as well as health & safety at work, are fundamental priorities in ALUMINCO. We are ISO 9001, 14001, 50001, 15088, 1090-1, H&S 18001, QUALICOAT SEASIDE CLASS and QUALANOD accredited.





# SUSTAINABLE BY NATURE

It is our obligation to support and respect any rule related to the Company's liability whether towards our clientele or towards the environment, in which we are part of.

## **PROTECTING THE ENVIRONMENT**

Creating a better and safer environment is more easily said than done. ALUMINCO has implemented a number of environmental control systems to ensure the safe waste disposal of all liquid chemicals, solid waste chemicals and gas. Also a lot of importance is given to noise pollution as well as energy and water saving. A team of properly trained and accredited personnel is able to enforce the safety measures and handle any unexpected circumstances.

## **COMMUNITY SUPPORT**

We cannot overlook or ignore how sensitive our society is in regards to Community Support in every sense. Providing safe products at affordable prices, making sure that our customers receive the right service, value for money, is part of our company culture and prime concern.

## **GRATITUDE AND RECOGNITION**

A living organization like ALUMINCO could not overlook the contribution of its dedicated and loyal personnel, who is the backbone of our company and reason of success. A number of provisions have been made to ensure that our people feel this recognition and gratitude.





WE ARE  
A PART OF  
TOMORROW





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