

Construction systems

We create distinctive spaces



AIRCLOS ALUMINIUM SYSTEMS

CUSTOM DESIGNED SYSTEMS FOR DEMANDING PROJECTS

At Airclos, we design and manufacture movable architectural systems to transform spaces and expand their possibilities for use.

For over 40 years, we have worked with architects, installers, distributors and hospitality professionals to develop custom-designed solutions for projects where design, comfort and performance are key.

Our retractable roofs and enclosure systems connect indoor and outdoor spaces, maximise natural light and allow each space to adapt to changing conditions. The result is more flexible, liveable architecture, designed to be enjoyed and generate value 365 days a year.

Every project presents a different challenge. That is why our work goes beyond applying standard solutions. We combine design, engineering, manufacturing and technical support to meet the specific needs of each space, creating unique projects.

Customisation, reliability and ongoing support are integral to the way we work. From system specification to on-site integration, we collaborate with our network of partners to deliver demanding architectural projects across international markets.

Go beyond simply adding a roof or an enclosure system. Create spaces that add value with Airclos.

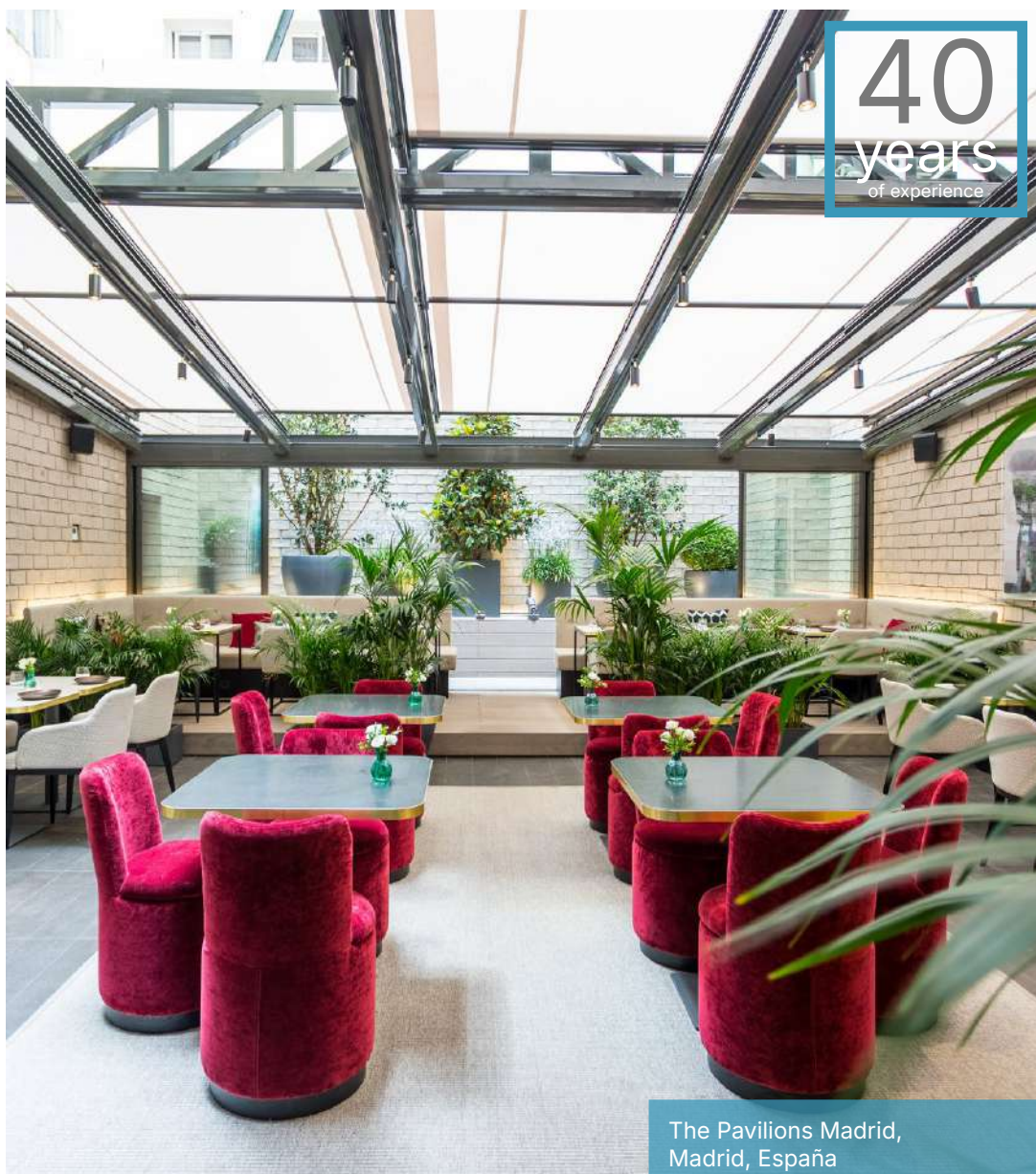
Airclos. Custom-designed solutions for architecture without limits.



40
years
of experience

MOTORIZED RETRACTABLE ROOFS

DESIGNED
FOR
TECHNICALLY
DEMANDING
PROJECTS

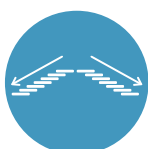


The Pavilions Madrid,
Madrid, España

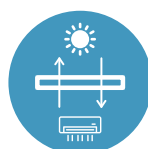
Advanced technology, elegant design and large-format glazing with exceptional performance, creating unique spaces filled with comfort and natural light.



Glass panels
up to
4m wide



Up to 24m
projection
with a
dual-pitched
roof



Excellent
Uw value
from
1.4 W/m²K



Natural light
and warmth
all year round



Adjustable
opening
of up to 83%



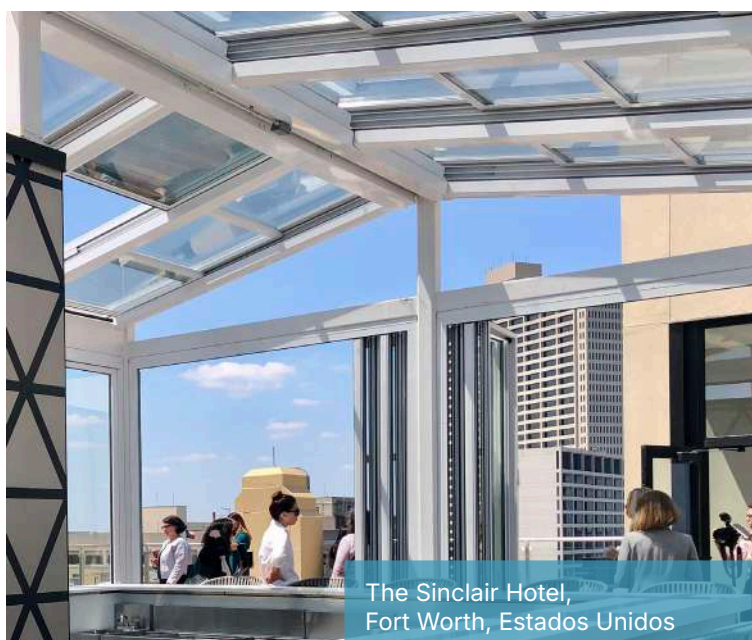
Acoustic
reduction
of up to Rw
45dB



Meraki Riyadh,
Riyadh, Arabia Saudi

Cover and expand spaces
in your home or business,
creating large openings for
natural light that will cap-
tivate your customers and
visitors.

We assess each project and
develop the optimal cus-
tom-designed solution.



The Sinclair Hotel,
Fort Worth, Estados Unidos



Garrigae Manoir de Beauvoir,
Mignaloux-Beauvoir, Francia

RETRACTABLE ROOF SERIES

T7003RPT



- Panel dimensions: 2300 × 1250 mm.
- Maximum panel width: 2500 mm.
- Maximum projection without intermediate columns: 6500 mm.
- % Opening up to: 50, 66, 75, 80 %
- Thermal performance: $U_w 1.4 \text{ W/m}^2\text{K}$
- Glazing: Triple 58mm
- Number of panels per module: 2-5
- Thermal break

T8000 ER



- Panel dimensions: 3800 × 1250 mm.
- Maximum panel width: 4000 mm.
- Maximum projection without intermediate columns: 6500 mm.
- % Opening up to: 50, 66, 75, 80
- % Thermal performance: $U_w 2.8 \text{ W/m}^2\text{K}$
- Glazing: Double 36mm
- Number of panels per module: 2-5

T8003



- Panel dimensions: 3400 × 1250 mm.
- Maximum panel width: 3600 mm.
- Maximum projection without intermediate columns: 6500 mm.
- % Opening up to: 50, 66, 75, 80
- % Thermal performance: $U_w 2.4 \text{ W/m}^2\text{K}$
- Glazing: Triple 50mm
- Number of panels per module: 2-5

RETRACTABLE ROOF SERIES

T8000



- Panel dimensions: 3400 × 1250 mm.
- Maximum panel width: 3600 mm.
- Maximum projection without intermediate columns: 6500 mm.
- % Opening up to: 50, 66, 75, 80%
- Thermal performance: $U_w 2.76 \text{ W/m}^2\text{K}$
- Glazing: Double 28mm
- Number of panels per module: 2-5

T6000

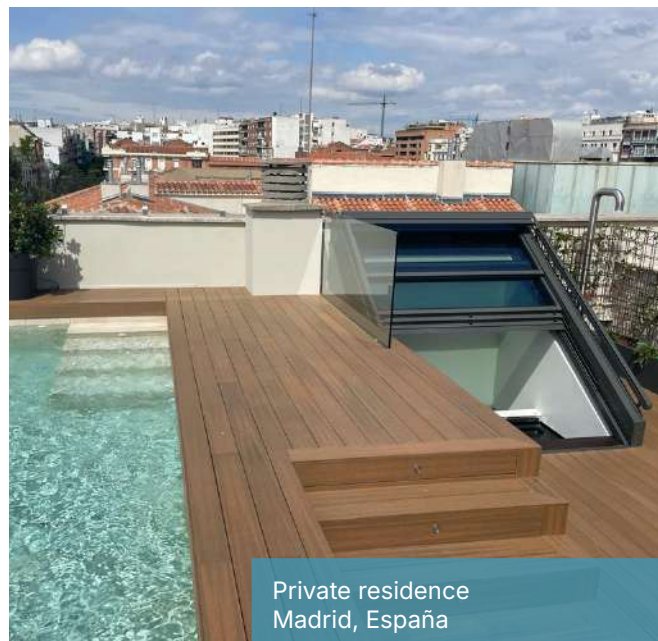


- Panel dimensions: 2000 × 1250 mm
- Maximum panel width: 2200 mm.
- Maximum projection without intermediate columns: 8500 mm (up to 12m with structure)
- % Opening up to: 66, 75, 80, 83, 86, 87, 89, 90 %
- Thermal performance: $U_w 3 \text{ W/m}^2\text{K}$
- Glazing: Double 28mm
- Number of panels per module: 3-10

T3000



- Panel dimensions: 1100 × 1100 mm.
- Maximum panel width: 1100 mm.
- Maximum projection without intermediate columns: 5500 mm
- % Opening up to: 66, 75, 80 %
- Thermal performance: $U_w 4.7 \text{ W/m}^2\text{K}$
- Glazing: Double 18mm
- Number of panels per module: 3-5



FIXED ROOF SERIES

F105 



- Panel dimensions: 1000 × 1400 mm.
- Maximum panel width: 1200 mm.
- Maximum projection without intermediate columns: 7000 mm.
- Thermal performance: $U_w 1.5 \text{ W/m}^2\text{K}$
- Glass thickness range: double 26-38mm
- Glass thermal transmittance: $U_g 1$



ENGINEERING TAILORED TO EACH PROJECT



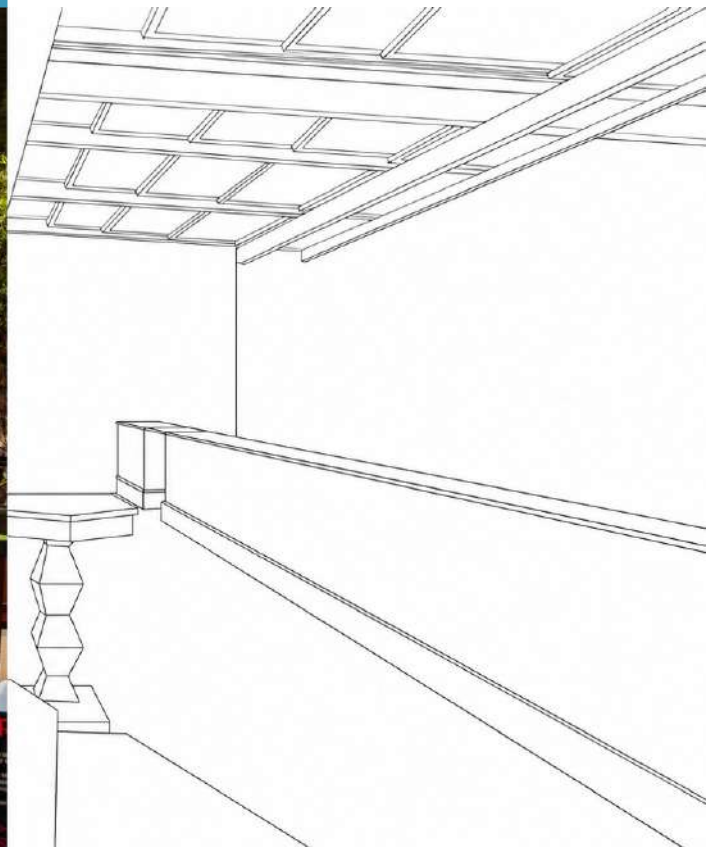
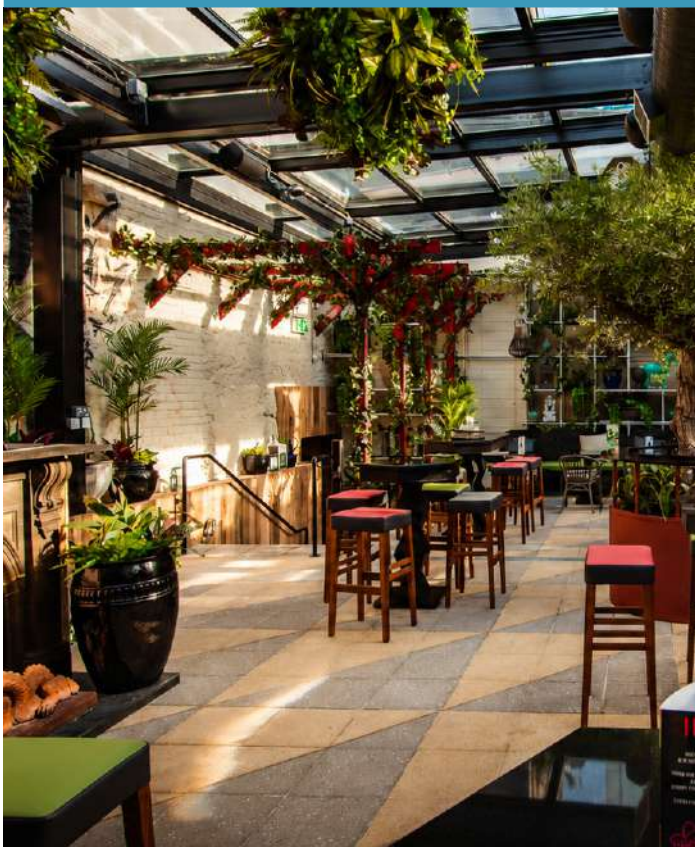
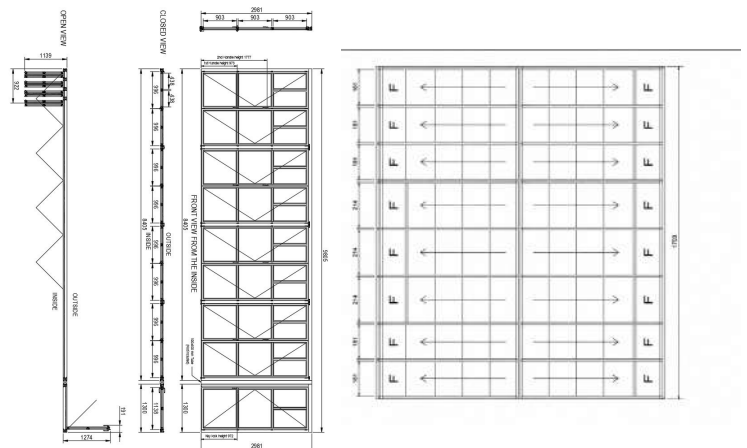
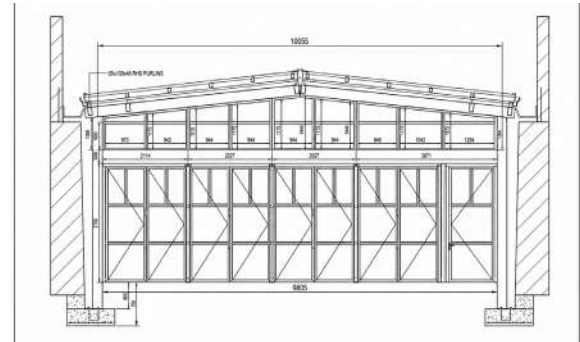
CUSTOM-DESIGNED PROJECTS

Every project requires a specific solution. That is why we do not adapt standard solutions. We analyse the structure, dimensions, intended use and environmental conditions to develop the roof that each space truly needs. Drawings, construction details and custom engineering to ensure integration, feasibility and performance.

SUPPORT THROUGHOUT THE ENTIRE PROJECT.

From the initial concept through to installation, we coordinate architecture, structure and system to ensure every decision fits together from the outset.

Continuous technical support that turns every retractable roof into a precise, reliable solution, fully integrated into the project.



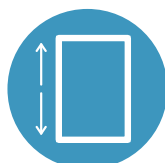
40
years
of experience

BI-FOLD DOORS

EXPAND
SPACES
WITH
LARGE
BI-FOLD
OPENINGS



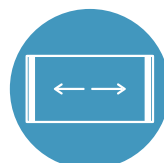
Large glazed panels that provide wide openings to seamlessly connect indoor and outdoor spaces with natural light and comfort.



Glass panels up to 3 m high



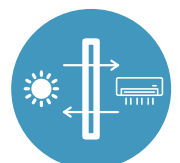
Glass panels up to 1 m wide



Full opening of the space



Maximum weight per panel up to 68kg



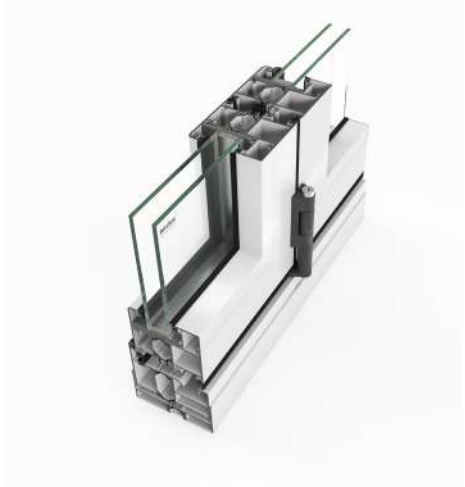
Uw value from 2.0 W/m²K



BI-FOLD DOOR SERIES

S70 RPT SERIES

Uw = 2,0 W/m²K 



- Maximum panel width: 800 mm.
- Maximum panel height: 2,750 mm.
- Maximum glazing thickness: 50 mm.
- Maximum weight per panel: 40 - 45 kg

Values with reinforcement column:

- Maximum panel width: 1,000 mm.
- Maximum panel height: 3,000 mm.
- Maximum weight per panel: 65 - 68 kg

S55 SERIE



- Maximum panel width: 800 mm.
- Maximum panel height: 2,750 mm.
- Maximum glazing thickness: 30 mm.
- Maximum weight per panel: 40 - 45 kg

Values with structural reinforcement column:

- Maximum sash width: 1,000 mm.
Maximum sash height: 3,000 mm.
Maximum weight per sash: 65 - 68 kg

S35 SERIE



- Maximum sash width: 700 mm.
- Maximum sash height: 2,500 mm.
- Maximum glazing thickness: 20.7 mm.
- Maximum weight per sash: 40 - 45 kg

Perimeter option values:

- Maximum sash width: 700 mm.
- Maximum sash height: 2500 mm.
- Maximum glazing thickness: 24 mm.



Large bi-fold panels that maximise the opening and promote seamless integration between indoor and outdoor spaces.

We assess each case and custom-design the optimal solution.



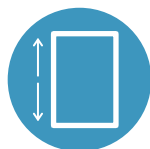
40
years
of experience

MINIMALIST BI-FOLD DOORS

LARGE DESIGN
DOORS
WITH
ADJUSTABLE
OPENING



Large panels with ultra-slim profiles, minimalist design and excellent thermal performance to create completely unique spaces where light takes centre stage.



Glass panels
up to
4.5m high



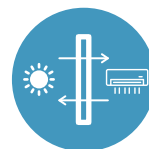
Glass panels
up to
1.2m
wide



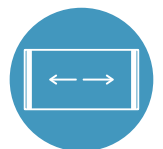
Vertical
section
of just
74 mm



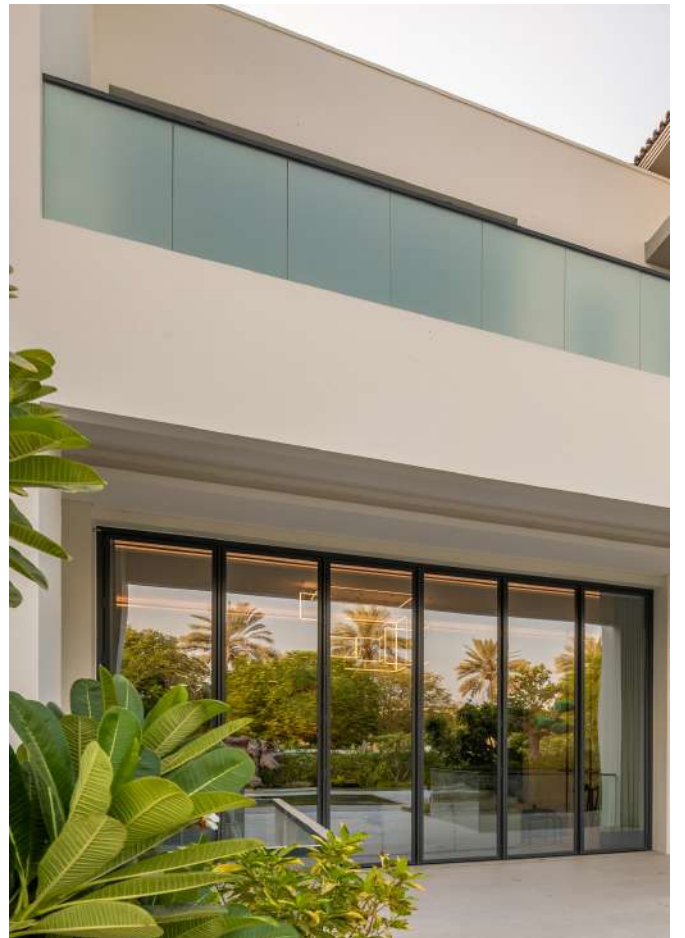
Up to
200kg
in weight
per panel



Uw
value
from
1.54 W/m²K



Adjustable
opening
up to 90%



MINIMALIST BI-FOLD DOOR SERIES

S200 RPT SERIES



- Maximum sash width: 1200 mm.
- Maximum sash height: 3000 mm.
- Glazing thickness: 40 mm.
- Maximum weight per sash: 100 kg.
- Thermal performance: $U_w 1.54 \text{ W/m}^2\text{K}$ with $U_g 1 \text{ W/m}^2\text{K}$ glazing
- Air permeability: Class 4.
- Watertightness: Class 7A.
- Wind resistance: Class B2.

S220 RPT SERIES: OPTION WITH REINFORCEMENT



- Maximum sash width: 1200 mm.
- Maximum sash height: 4500 mm.
- Glazing thickness: 40 mm.
- Maximum weight per sash: 200 kg.
- Thermal performance: $U_w 1.54 \text{ W/m}^2\text{K}$ with $U_g 1 \text{ W/m}^2\text{K}$ glazing
- Air permeability: Class 4.
- Watertightness: Class 7A.
- Wind resistance: Class B2.

S220 RPT SERIES: OPTION WITHOUT REINFORCEMENT



- Maximum sash width: 1200 mm.
- Maximum sash height: 3000 mm.
- Glazing thickness: 40 mm.
- Maximum weight per sash: 130 kg.
- Thermal performance: $U_w 1.54 \text{ W/m}^2\text{K}$ with $U_g 1 \text{ W/m}^2\text{K}$ glazing
- Air permeability: Class 4.
- Watertightness: Class 7A.
- Wind resistance: Class B2.



Large areas of natural light with minimalist design to create unique and highly comfortable spaces. We assess each case and custom-design the optimal solution.



GLASS CURTAINS

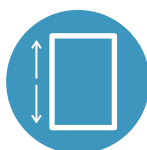
ENJOY THE
VIEWS
WITHOUT
VERTICAL
PROFILES



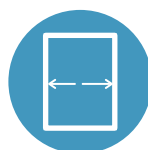
It offers panoramic views without vertical profiles, maximising natural light and the sense of spaciousness. Its elegant design allows the space to be fully opened while maintaining seamless architectural integration.



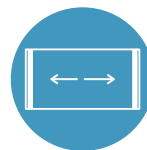
Tempered
glass up to 10
mm thick



System up to
3 m high



Panels up to
1.2 m
wide



Opening right
and left / both
/ either



Up to
70kg
in weight
per panel

GLASS CURTAIN SERIES

E20 SERIES



- Maximum sash width: 1200 mm.
- Maximum sash height: 3000 mm. .
- Maximum weight per sash: 70 kg.
- 10mm thick tempered glass



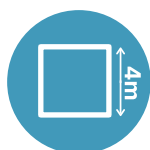
40
years
of experience

LARGE-FORMAT VERTICAL SLIDING WINDOWS

AIRTIGHT
DESIGN AND
LARGE-FORMAT
GLASS
PANELS



It offers expansive panoramic views and an exceptional amount of natural light, ensuring outstanding indoor comfort and excellent energy efficiency thanks to the thermal break.



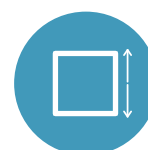
System up to
4 m high



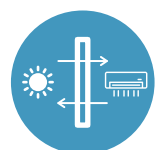
Panels up to
4 m wide



180 kg weight
for movable
panels



Bottom or top
opening



Uw from
1.99 W/m²K



Large areas of natural light
with minimalist
design to create
unique and
highly comfortable spaces.
We assess each case and
custom-design the optimal
solution.



LARGE-FORMAT VERTICAL SLIDING SERIES

V150 RPT SERIES: STANDARD OPTION



- Available with 2, 3 or 4 glass panels.
- The panels slide downwards.
- Once opened, they are stored at the bottom, forming a balustrade.
- Available with glazing spaces for double glazing up to 22mm.
- Up to 4 m high and 4 m wide depending on the panel configuration.

V150 RPT UP SERIES: TOP OPENING



- Available with 2, 3 or 4 glass panels.
- The panels slide upwards.
- Once opened, they are stored at the top, allowing passage.
- Available with glazing spaces for double glazing up to 22mm.
- Up to 4 m high and 4 m wide depending on the panel configuration.

V150 RPT CLEAN SERIES: OPTION WITH HINGED PANEL



- Available with 2 glass panels.
- The panels slide downwards.
- Once opened, they are stored at the bottom, forming a balustrade.
- Available with glazing spaces for double glazing up to 22mm.
- Up to 4 m high and 4 m wide.
Hinged lower panel for easy cleaning.

V150 RPT PLUS SERIES



- Available with 2, 3 or 4 glass panels.
- The panels slide downwards.
- Once opened, they are stored at the bottom, forming a balustrade.
- Available with glazing spaces for double glazing up to 32mm.
- Up to 4.2 m high and 4 m wide.
- $U_w=1.71W/m^2K$





Unique operable glazed building envelope system.
We design glazed retractable roofs and vertical enclosure systems
to create custom-designed, comfortable spaces ready for use 365 days a year.





www.airclos.com

Airclos[®] 
Aluminium Systems