

integral solutions

ALUMINIUM
PVC

archi tecture

CONTEMPORARY ENCLOSURES



Aluminium and PVC
for architecture

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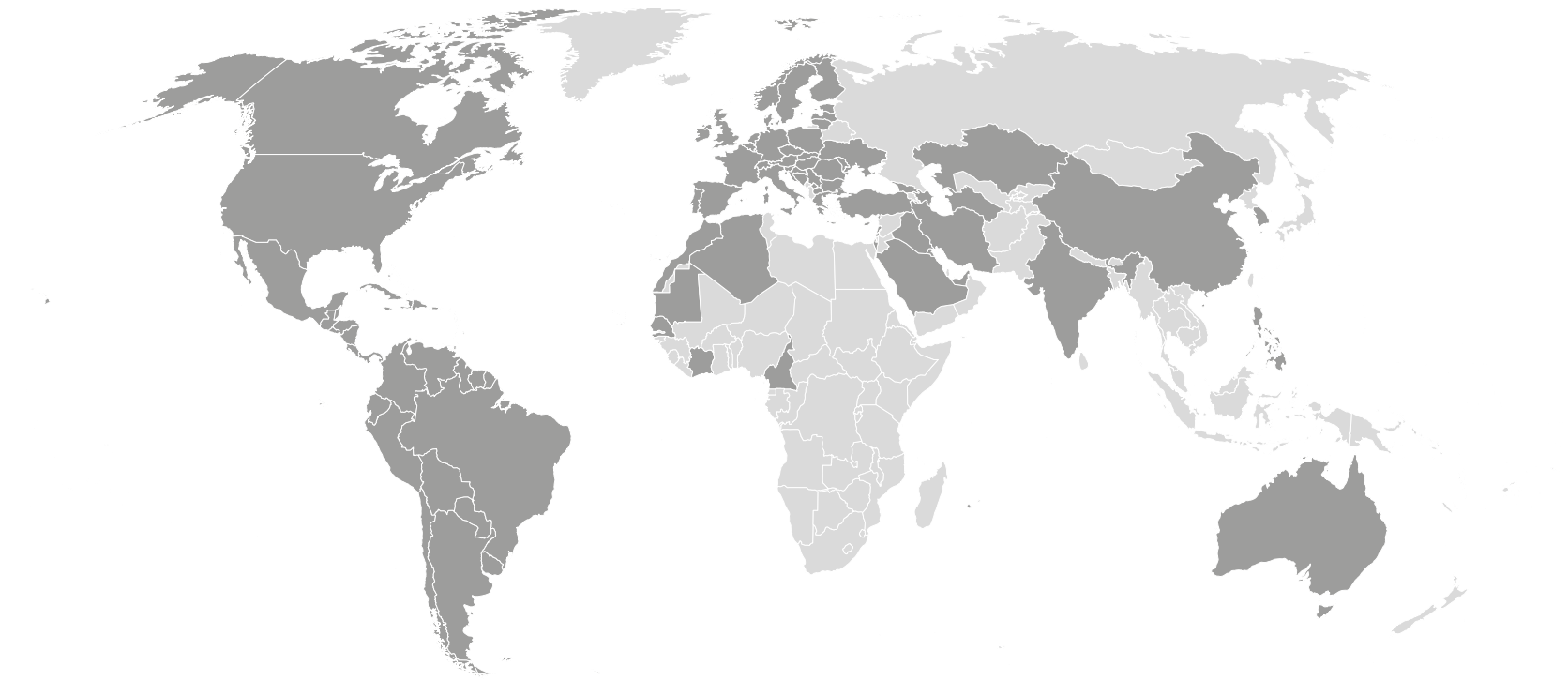
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ACCESSORIES



CORTIZO

GLOBAL PRODUCTION CAPACITY



CORTIZO, an international leader in the design and manufacture of aluminium and PVC. Our production capacity consists of 150,000 t of aluminium and 45,000 t of PVC. This enables us to meet the requirements of our customers across more than 80 countries in which we are currently present.

U value chart



ALUMINIUM

SYSTEM	Uf W/m²K	Uw W/m²K
Cor 80 Industrial Passivhaus	0.94	From 0.66
Cor 80 Industrial	1.1	From 0.71
Cor 80 Hidden Sash	1.2	From 0.71
Cor 70 Industrial	1.3	From 0.76
Cor 70 Hidden Sash	1.4	From 0.84
Alu-Steel	1.5	From 0.83
Bi-Fold Plus	1.7	From 0.78
Millennium Plus 80 Door	1.7	From 0.8
Cor 70 C16 ST	1.7	From 0.9
Cor 70 Evolution	1.7	From 0.81
Cor 70 OC	1.7	From 0.85
4600 Plus Lift & Slide	1.8	From 0.65
Cor 70 Hidden Sash C16 ST	1.8	From 0.93
Cor Galicia Premium C16	2.1	From 1.1
Cor 3500 Hinged	2.3	From 1.0
Cor Urban C16	2.3	From 1.2
Millennium FR Door	2.4	From 1.4
Millennium Plus 70 Door	2.5	From 0.9
Cor 3500 C 16 ST	2.7	From 1.2
Casement	2.7	From 1.0

Consult typology, dimensions and glazing.
Consult transmittance of different joints.

SYSTEM	Uf W/m²K	Uw W/m²K
4900 HI Sliding	2.7	From 1.2
Cor 60 Hinged	2.8	From 1.0
Bi-Fold	2.8	From 0.97
Cor Vision Evolution	3.2	From 0.88
4700 In-line Slider / Lift & Slide	3.4	From 1.0
Cor 3000 Hinged	3.4	From 1.3
Cor 60 Hidden Sash Hinged	3.6	From 1.5
Cor Vision Plus Sliding	3.8	From 0.9
Cor Vision Sliding	3.9	From 1.3
4200 Sliding	4.0	From 1.5
5000 Double Sliding	4.0	From 1.3
Cor 2000 Hinged	5.7	From 1.8
Cor 2300 Hinged	5.7	From 2.0
6200 Sliding	5.7	From 3.2
Millennium 2000 Door	5.7	From 2.3
Mediterranean Balcony	5.7	From 2.1
2000 Perimetral Sliding	5.7	From 2.9
5000 Sliding	5.7	From 2.3
6500 Sliding	5.7	From 2.2
6500 Plus Sliding	5.7	From 2.0

// Completed projects



_ Halletts Point
New York, **USA**

PVC

SYSTEM	Uf W/m²K	Uw W/m²K
A 84 Passivhaus HI Hinged	0.76	From 0.66
A 84 Passivhaus 1.0 Hinged	1.01	From 0.74
A 84 Passivhaus 1.0 Reduced Reinforcement Hinged	1.00	From 0.74
A 84 Hidden Sash Passivhaus	1.05	From 0.71
A 84 Hidden Sash	1.11	From 0.74
A 84 Hinged	1.16	From 0.79
A 70 Hinged	1.3	From 0.9
C 70 Sliding	1.8	From 1.3
E 170 Lift & Slide	1.6	From 0.9

Consult typology, dimensions and glazing.
Consult transmittance of different joints.

CORTIZO ISOLATION	U _{SB} SHUTTER BOX
Roller Shutter box 200 mm	0.66 (W/m²K)
Roller Shutter box 160 mm	0.97 (W/m²K)



_ Pilatus Tower
Switzerland



_ World Trade Center Santo Domingo
Dominican Republic



_ Cambridge
USA

investigation, advancement and quality



CORTIZO IS QUALITY

The quality of all CORTIZO products is based on the strict tests carried out in official, national and international laboratories, as well as by our technical staff in our own test benches.

R+D

Design, innovation and quality are the protagonists in the more than 80 window, door, façade, composite panel, balustrade and solar protection systems designed by our R&D department. CORTIZO enclosures adapt to the climate and construction particularities of thousands of projects around the world. Single-family and collective housing, hospitals and health centres, hotels, administrative buildings, infrastructures, sports centres, commercial and industrial spaces, social and cultural centres...

The adequate selection of raw materials and the control of all parameters that influence the extrusion process, backed by the ISO 9001 international certification, guarantee the quality of the extruded material. Additionally, the meticulous work in the execution of the surface treatments has allowed us to obtain the most demanding European quality certificates, such as QUALICOAT, QUALIDECO and QUALICOAT SEA SIDE for the laquering process, and the EWWA-EURAS for the anodizing process.





CORTIZO LAB

The Cortizo LAB software allows for the immediate production of calculations, test results and classifications of all enclosure systems designed by CORTIZO and tested in its Technological Centre, for any dimension, typology and glazing (windows, doors, double joinery, façades, roofs and louvres).

Thermal performance

Acoustic performances

AEV Tests:

- Window and door systems: EN 12207 / EN 12208 / EN 12210

- Façades: EN 12152 / EN 12154 / EN 13116

Microventilation

Mechanical Calculations

Calculation and production of wind and snow load reports

CORTIZO BIM

Virtual management of enclosure designs

BIM training

Personalized assistance

BIM customized solution designs

Founded on the 3D reproduction of each of the structural elements that make up a building, this technology allows for a more quick and comprehensive parametric design of the projects, offering digital replicas of our enclosure systems. The BIM library incorporates intelligent objects that implicitly carry all the technical, thermal, acoustic and mechanical information, virtually reproducing their behaviour in reality.



TSAC NETWORK

Personalised technical assistance to architecture professionals in their own geographic working area is a differentiating fact of the CORTIZO spirit. For this purpose, we have a network of 22 Proximity Architecture and Engineering Departments strategically located in different areas in Europe and America.

Finite Element Method for Structural Computation

Documents of compliance with regulations and standards

Official tests and certifications from the CORTIZO Technology Centre

Design and assessment of customised profiles for each project

Resolution of details and meeting on site

BIM comprehensive assistance



_Santander Bank Headquarters
Spain

// Completed projects



Green building consultation
greenbuilding@cortizo.com

CORTIZO ECOEFFICIENT

Aluminium life cycle "cradle to cradle".
Via its two foundries, CORTIZO RECYCLING transforms aluminium waste into raw material for the extrusion of profiles, thus closing the cycle of a 100% reusable material.
More than 2400 pick-up points of aluminium scrap in Europe.
Low energy consumption in recycling (only 5% compared to primary consumption).
Officially certified purifying stations

contemporary
enclosures








hinged window and door systems

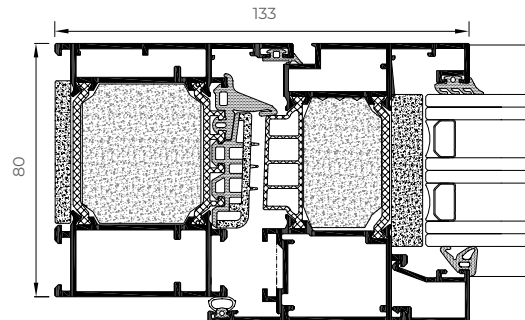
COR 80

Industrial Passivhaus

Certified for the warm-temperate category, this system offers exceptional thermal insulation thanks to its special foams on the frame and sash. With a transmittance value U_w from just $0.66 \text{ W/m}^2\text{K}$, it is an ideal solution for buildings with low energy consumption.

FEATURES		
Transmittance		$U_w \geq 0.66 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1950
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes



European Groove
Thermally broken



POSSIBILITIES

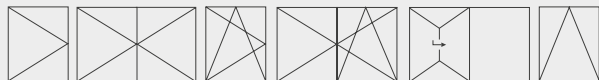


SECURITY
HARDWARE



CONCEALED
HINGES

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Parallel Sliding
Tilt only



Sightlines

Frame 80 mm, Sash 88 mm

Profile Thickness

1.6 mm

Polyamide Strip Length

45 mm

Glazing

Max. 65 mm, Min. 16 mm

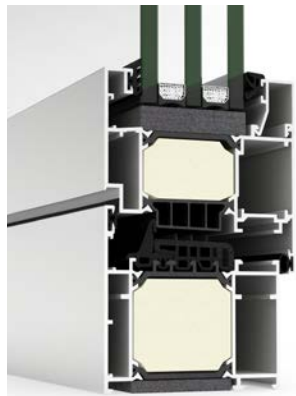
Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2600 mm

Maximum Sash Weight

160 kg

Consult maximum weight and dimensions according to typologies.









Aesthetic possibilities:

Sash: Straight / Glazing bead: Straight or curved

COR 80

Industrial

With a 80 mm frame depth, the COR 80 Industrial series responds to the most severe climatic requirements thanks to its thermal break with 45 mm tubular polyamide strips and the incorporation of reticulated polyolefin both around the glass and between the frame and sash.

FEATURES		
Transmittance		$U_w \geq 0.71 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1950
Wind resistance		Class C5
Burglar resistance		Grade RC2 (WK2)

Reference test 1.23 x 1.48 m / 2 sashes



Sightlines

Frame 80 mm, Sash 88 mm

Profile Thickness

1.5 mm

Polyamide Strip Length

45 mm

Glazing

Max. 73 mm, Min. 16 mm

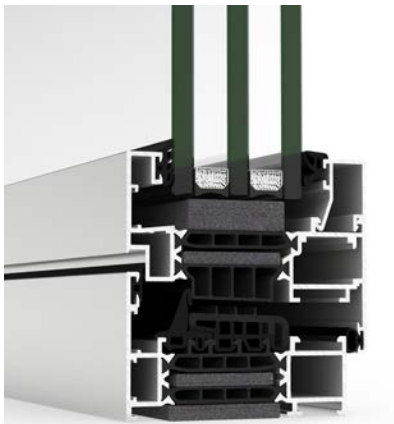
Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2600 mm

Maximum Sash Weight

160 kg

Consult maximum weight and dimensions according to typologies.



Aesthetic possibilities:

Sash: Straight / Bead: Straight or curved

POSSIBILITIES



SECURITY
HARDWARE



CONCEALED
HINGES



CONCEALED
DRAINAGE

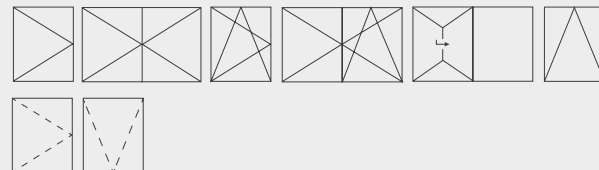


ACCESSIBILITY



INTEGRATED
ROLLER BLIND

OPENING POSSIBILITIES

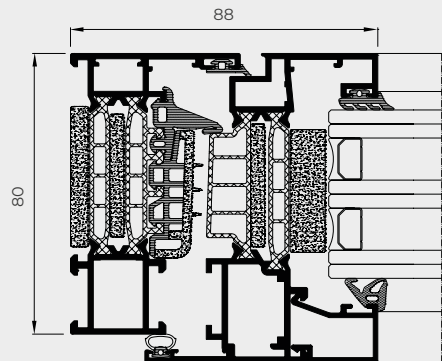


Inward Opening

Side hung
Tilt & turn
Parallel Sliding
Tilt only

Outward Opening

Side hung
Top hung





COR 80 INDUSTRIAL



COR 80 INDUSTRIAL
ROLLER BLIND INTEGRATED INTO GLAZING BEAD

ROLLER BLIND INTEGRATED INTO GLAZING BEAD

The new glass roller blind solution for the COR 80 and 70 Industrial is completely integrated into the window thanks to the design of a top glazing bead that fully conceals the rolling system and driving motor. In addition, the special lateral glazing beads act as guides, ensuring that the roller blind remains flush with the window, even during the opening and closing manoeuvres of the sash.

Available for **COR 80 and 70 Industrial systems**

Aesthetic uniformity

Total integration into the window, allowing for complete darkening of spaces with opaque roller blinds









Smooth sliding without wobbling during opening and closing manoeuvres

Compatible with **automated home systems**.

COR 70

Industrial

This 70 mm frame depth hinged system offers great thermal and acoustic performance combined with very simple fabrication, which is why it has become one of the most demanded series for aluminium windows, doors and balconies.

FEATURES		
Transmittance		Uw ≥ 0.76 (W/m²K)
Acoustic insulation		Rw up to 44 dB
Air permeability		Class 4
Water tightness		Class E1800
Wind resistance		Class C5
Burglar resistance		Grade RC2 (WK2)
Standard AAMA Test		Class AW-PG60 *
Security test		Passed

Reference test 1.23 x 1.48 m / 2 sashes
Security test: Reference test 1.100 x 2.400 m / 1 sash
Burglar test 1.47 x 2.52 m / 1 sash with EVO SECURITY hardware
CSTB Laboratory DTA Certification
*Standard AAMA Test: Class AW-PG60 1502 x 2502 - FW / Reference test fixed 1.50 x 2.50 m

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Parallel Sliding
Tilt only

POSSIBILITIES



SECURITY
HARDWARE



ACCESSIBILITY



CONCEALED
HINGES



CONCEALED
DRAINAGE



INTEGRATED
ROLLER BLIND

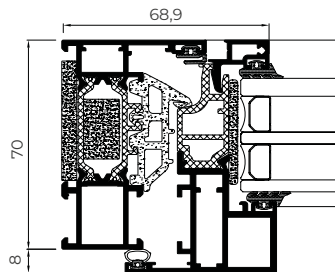
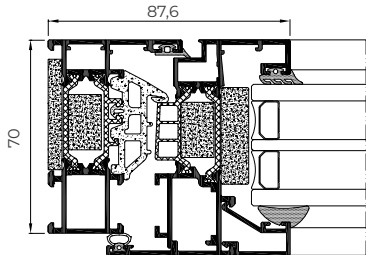
European Groove
Thermally broken



Cor 70 Industrial - Concealed drainage solution



Cor 70 Industrial - Half-Hidden Sash



COR 70 INDUSTRIAL



- Sightlines

Frame 70 mm, Sash 78 mm
- Polyamide Strip Length

From 32 / 35 mm
35 mm (Half-Hidden Sash)
- Profile Thickness

Window 1.5 mm
Door 1.7 mm
Window 1.9 mm (Half-Hidden Sash)
- Glazing

Max. 63 mm, Min. 6 mm
Max. 40 mm, Min. 26 mm (Half-Hidden Sash)
- Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2600 mm
- Half-Hidden Sash:

Width (L) 1300 mm, Height (H) 2400 mm
Standard solution
Width (L) 1200 mm, Height (H) 3500 mm
HD Hinges (side hung)
- Maximum Sash Weight

160 kg
- Aesthetic possibilities:

Sash: Straight / Glazing bead: Straight or curved
Consult maximum weight and dimensions according to typologies

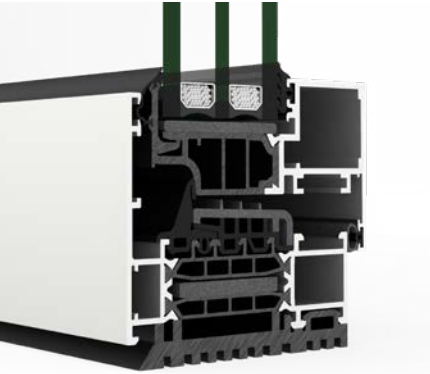
COR 80

Hidden Sash

Elegant design with straight aesthetic in which the sash is concealed behind the frame, thus maximizing the glazed surface and the entry of light. In addition, it offers a great thermal and acoustic performance prompted by the 45 mm thermal break and a glazing capacity of up to 51 mm that allows the installation of triple glazing.

FEATURES		
Transmittance		$Uw \geq 0.71$ (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1650
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes



Sightlines

Frame 80 mm, Sash 80 mm

Polyamide Strip Length

45 mm

Profile Thickness

Window 1.9 mm

Glazing

Max. 51 mm, Min. 36 mm

Maximum Sash Dimensions

Standard Solution:

Width (L) 1300 mm, Height (H) 2400 mm

HD Hinges (Side Hung):

Width (L) 1200 mm, Height (H) 3500 mm

Maximum Sash Weight

160 kg

Consult maximum weight and dimensions according to typologies

European Groove

Thermally broken



First **invisible handle** on the market



Solution for hidden sash systems **COR 80 HS, COR 70 HS and COR 70 OC**

Dimensions: **27.5 mm (L) x 234 mm (H)**

Ergonomics, robustness and easy handling in opening and closing operations. Totally clean aesthetics that simulate a fixed element, when in fact, it is a side hung or tilt & turn opening.



ARCH
INVISIBLE
BY CORTIZO

Exclusive handle integrated within the sash, **imperceptible from a frontal view.**

Possibility of concealed hinges that consolidates the aesthetic purity of the system.

POSSIBILITIES



SECURITY
HARDWARE



CONCEALED
HINGES

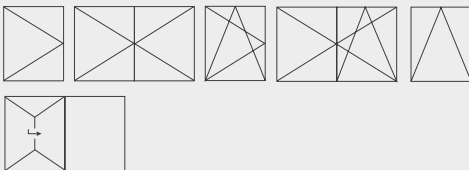


CONCEALED
HANDLE



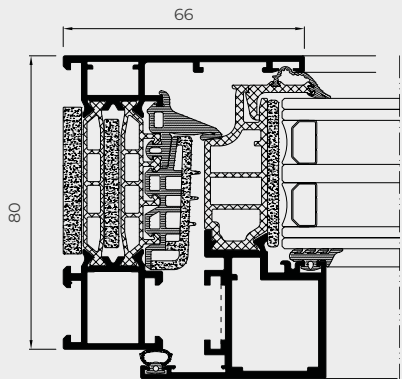
CONCEALED
DRAINAGE

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Tilt only
Parallel Sliding



COR 70

Hidden Sash



It could be a painting, but is a window. This is how we can describe the COR 70 Hidden Sash which, like the 80 mm version, has a sightline of only 66 mm and allows the incorporation of the ARCH INVISIBLE handle, concealed hinges and the drainage solution. Any element that breaks the visual harmony of the ensemble is discarded.

FEATURES		
Transmittance		Uw ≥ 0.84 (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1800
Wind resistance		Class C5
Security test		Passed

Reference test 1.23 x 1.48 m / 1 sash
Security test: Reference test 1.100 x 2.400 m / 1 sash
CSTB Laboratory DTA Certification

POSSIBILITIES

SECURITY HARDWARE

CONCEALED HINGES

CONCEALED HANDLE

CONCEALED DRAINAGE

OPENING POSSIBILITIES

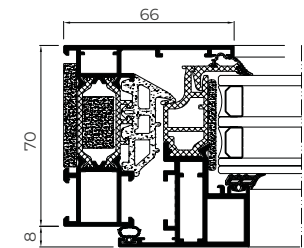
Inward Opening

Side hung

Tilt & turn

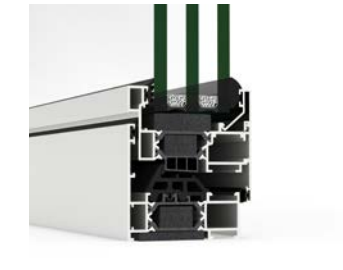
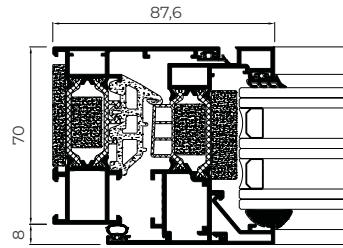
Tilt only

Parallel Sliding



COR 70 Hidden Sash
Sightlines
Frame 70 mm, Sash 70 mm
Polyamide Strip Length
35 mm
Profile Thickness
Window 1,9 mm
Glazing
Max. 40 mm, Min. 26 mm
Maximum Sash Dimensions
Standard solution:
Width (L) 1300 mm, Height (H) 2400 mm
HD Hardware (Side Hung):
Width (L) 1200 mm, Height (H) 3500 mm
Maximum Sash Weight
160 kg

European Groove
Thermally broken

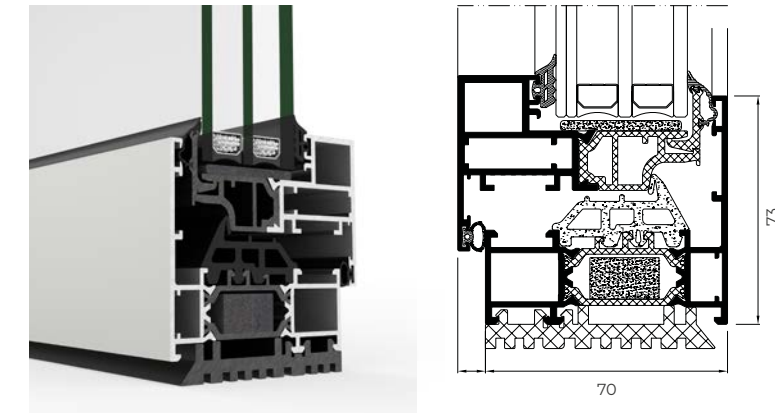


COR 70 Hidden Sash - Half-Hidden Solution
Sightlines
Frame 70 mm, Sash 78 mm
Polyamide Strip Length
32-35 mm
Profile Thickness
Window 1,5 mm
Glazing
Max. 55 mm, Min. 26 mm
Maximum Sash Dimensions
Width (L) 1000 mm
Height (H) 1700 mm
Maximum Sash Weight
160 kg
Consult maximum weight and dimensions according to typologies



COR 70 HIDDEN SASH


CONCEALED DRAINAGE SOLUTION



Minimizes the aesthetic impact of the window components.
Compatible with all the 70 mm frame depth systems.
It features a gasket at the bottom of the frame to evacuate the water, replacing the front drainage caps.
Facilitates window fabrication, allowing to place the base of the frame on the site itself.


COR 70
OC

Hidden sash system oriented to the French market with monoblock frame that makes installation easier. Using this new frame allows faster fabrication and installation, avoiding overlaps, cills and any other complementary profiles, speeding up assembly and fitting. The fabricator can choose either straight or 45 degree cut.


FEATURES		
Transmittance		Uw ≥ 0.85 (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1650
Wind resistance		Class C5


Reference test 1.23 x 1.48 m / 1 sash
CSTB Laboratory DTA Certification

POSIBILIDADES






 SECURITY HARDWARE

 CONCEALED HINGES

 CONCEALED HANDLE

 CONCEALED HANDLE

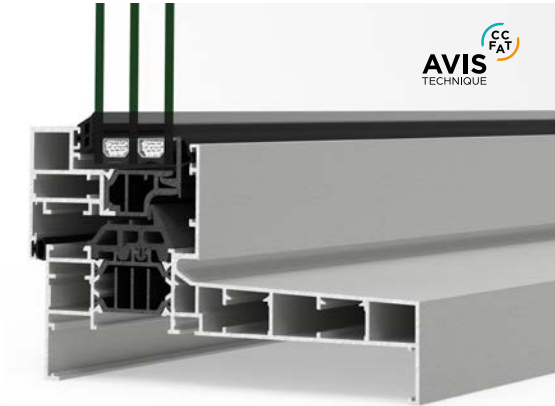
OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Tilt only
Parallel Sliding

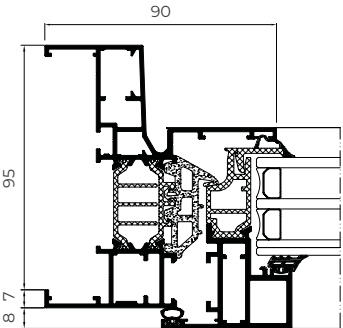
European Groove
Thermally broken



* COR 70 OC - Mitered frame

COR 70 OC
Sightlines
Frame 70 - 232 mm, Sash 70 mm
Polyamide Strip Length
35 mm
Profile Thickness
Window 1.9 mm
Glazing
Max. 40 mm, Min. 26 mm
Maximum Sash Dimensions
Standard solution:
Width (L) 1300 mm, Height (H) 2400 mm
HD Hardware (Side Hung):
Width (L) 1200 mm, Height (H) 3500 mm
Maximum Sash Weight
160 kg

Consult maximum weight and dimensions according to typologies




* COR 70 OC - Mitered frame


The half hidden sash version of the COR 70 OC allows to expand the aesthetic possibilities of this series with monoblock frame available at straight or 45 degree cut.


FEATURES		
Transmittance		Uw ≥ 0.9 (W/m²K)
Acoustic insulation		Rw up to 44 dB
Air permeability		Class 4
Water tightness		Class E1800
Wind resistance		Class C5


Reference test 1.23 x 1.48 m / 2 sashes
CSTB Laboratory DTA Certification

POSIBILIDADES







 SECURITY HARDWARE

 CONCEALED HINGES

 CONCEALED HANDLE

 CONCEALED HANDLE

OPENING POSSIBILITIES

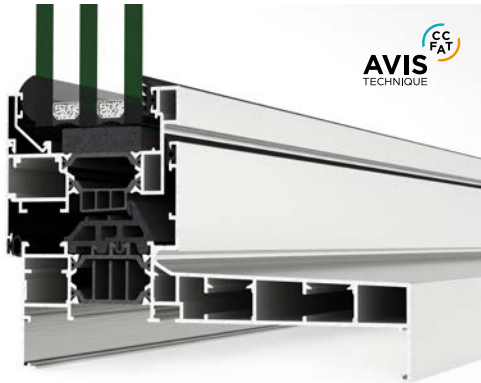


Inward Opening

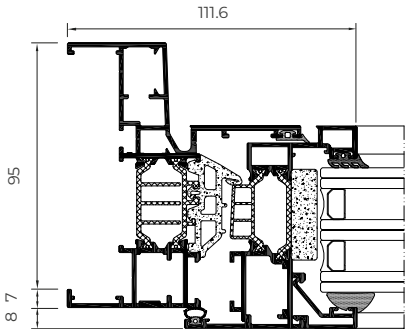
Side hung
Tilt & turn
Tilt only
Parallel Sliding

COR 70 OC - Half-Hidden Sash
Sightlines
Frame 70 - 232 mm, Sash 78 mm
Polyamide Strip Length
32-35
Profile Thickness
Window 1.5 mm
Glazing
Max. 55 mm, Min. 15 mm
Maximum Sash Dimensions
Width (L) 1000 mm, Height (H) 1700 mm
Maximum Sash Weight
160 kg

Consult maximum weight and dimensions according to typologies



* COR 70 OC Half Hidden sash - Mitered frame



* COR 70 OC Half Hidden sash - Mitered frame

aesthetic possibilities



COR 70 OC
Straight cut frame



COR 70 OC
Perimetral frame



COR 70 OC - Half-Hidden sash
Straight cut frame



COR 70 OC - Half-Hidden sash
Perimetral frame



ALU-STEEL



European Groove
Thermally broken



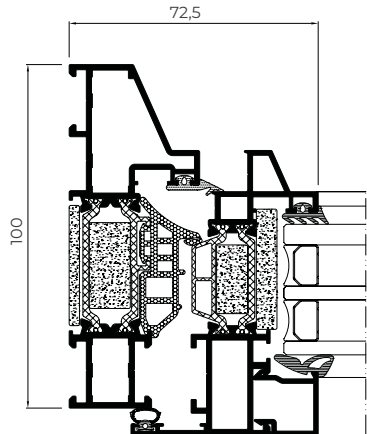
Inspired by classic line designs, the new Alu-Steel system allows to combine aluminium outstanding performances values with a steel-alike appearance. With a sightline of only 72.5 mm, Alu-Steel is a the perfect solution for new buildings and refurbishments, offering two different versions, classic or modern.



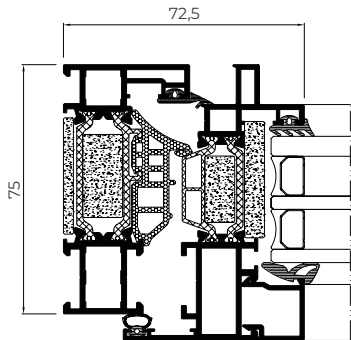
*Classic version



*Modern version



*Classic version



*Modern version

POSSIBILITIES

SECURITY
HARDWARE

CONCEALED
HINGES

CONCEALED
HANDLE

ACCESSIBILITY

OPENING POSSIBILITIES

Inward Opening
Side hung
Tilt & turn
Tilt only

Outward Opening
Side hung

FEATURES		
Transmittance		$U_w \geq 0.83 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 45 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

ALU-STEEL

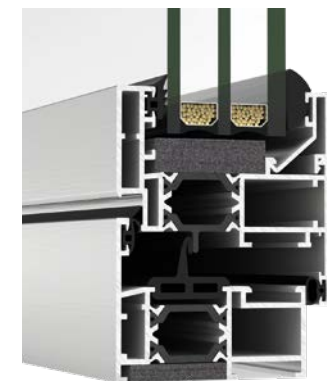


- Sightlines**
Modern frame 75 mm
Classic frame 100 mm
Sash 83 mm
- Polyamide Strip Length**
32-39 mm
- Profile Thickness**
Window 1.5 mm
- Glazing**
Max. 54 mm, Min. 20 mm
- Maximum Sash Dimensions**
Width (L) 1500 mm, Height (H) 2600 mm
- Maximum Sash Weight**
160 kg

Consult maximum weight and dimensions according to typologies






COR 60

Hinged system with 60 mm of frame depth, featuring 24 mm polyamide strips, which provides a notable thermal and acoustic comfort, achieving a noise reduction of up to 48 dB.



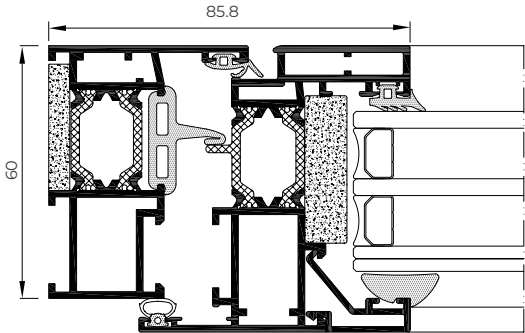
- Sightlines**
Frame 60 mm, Sash 68 mm
- Polyamide Strip Length**
24 mm
- Profile Thickness**
Window 1.6 mm
Door 1.6 mm
- Glazing**
Max. 46 mm, Min. 5 mm
- Maximum Sash Dimensions**
Width (L) 1500 mm, Height (H) 2600 mm
- Maximum Sash Weight**
160 kg

Aesthetic possibilities:
Sash: Straight or curved
Glazing Bead: Straight or curved

FEATURES		
Transmittance		$U_w \geq 1.0 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 48 dB
Air permeability		Class 4
Water tightness		Class E1350
Wind resistance		Class C5

Reference test 1.20 x 1.16 m / 2 sashes

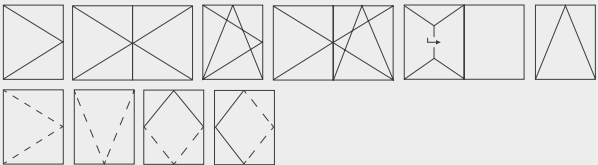
European Groove
Thermally broken



POSSIBILITIES



OPENING POSSIBILITIES



Inward Opening

Side hung
Til & turn
Parallel Sliding
Bottom hung

Outward Opening

Side hung
Top hung
Pivoting on horizontal or vertical axis.

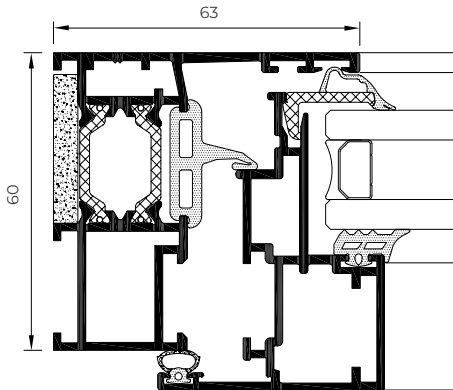


COR 60

COR 60

Hidden Sash

Minimalism for avant-garde projects. It has an interlock profile of only 63 mm, COR 60 Hidden Sash is presented as a hinged system that allows for more glazed surface.



European Groove
Thermally broken



Sightlines

Frame 60 mm, Sash 60 mm

Polyamide Strip Length

24 mm

Profile Thickness

Window 1.6 mm

Balcony 1.6 mm

Glazing

Max. 34 mm, Min. 16 mm

Maximum Sash Dimensions

Width (L) 1300 mm, Height (H) 2400 mm

Maximum Sash Weight

160 kg

Consult maximum weight and dimensions according to typologies



POSSIBILITIES

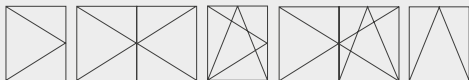


SECURITY
HARDWARE



CONCEALED
HINGES

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Bottom hung

FEATURES

Transmittance		$U_w \geq 1.5 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 45 dB
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class C5

Reference test 1.13 x 1.16 m / 1 sash

COR 3500

Hinged system with a frame depth of 54 mm, a 24 mm thermal break zone, and a maximum glazing capacity of 41 mm. These features grant this system optimal thermal and acoustic performances: U_w from 1.0 $\text{W/m}^2\text{K}$, and up to 46 dB of noise reduction.



Sightlines

Frame 54 mm, Sash 63 mm

Polyamide Strip Length

24 mm

Profile Thickness

Window 1.5 mm

Door 1.7 mm

Glazing

Max. 41 mm, Min. 5 mm

Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2400 mm

Maximum Sash Weight

120 kg

Consult maximum weight and dimensions according to typologies

Aesthetic possibilities:

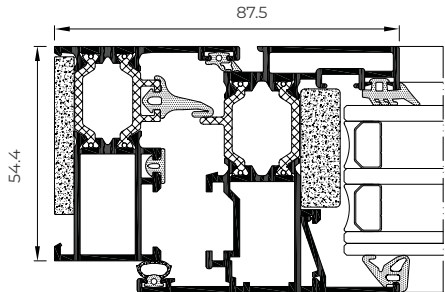
Sash: Straight or curved
Glazing Bead: Straight or curved

FEATURES

Transmittance		$U_w \geq 1.0 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up tp 46 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class C5

Reference test 1.20 x 1.20m / 2 sashes

European Groove
Thermally broken



POSSIBILITIES



SECURITY
HARDWARE

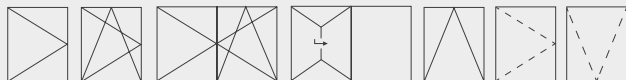


CONCEALED
HINGES



ACCESSIBILITY

OPENING POSSIBILITIES



Inward Opening

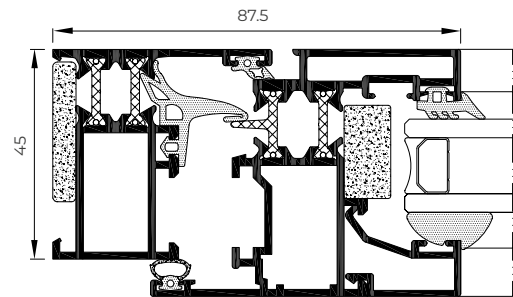
Side hung
Tilt & turn
Parallel Sliding
Bottom hung

Outward Opening

Side hung
Top hung

COR 3000

Hinged system with a 45 mm frame depth and a thermal break of 14.6 mm. This is a versatile system, suitable for mild climates, and with a large variety of opening possibilities.



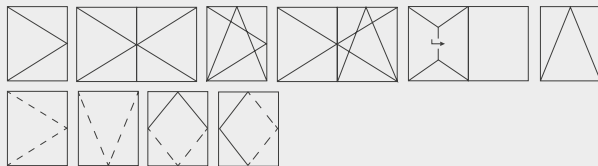
European Groove
Thermally broken



Sightlines
Frame 45 mm, Sash 53 mm
Polyamide Strip Length
14.6 mm
Profile Thickness
Window 1.5 mm
Door 1.7 mm
Glazing
Max. 31 mm, Min. 3 mm
Maximum Sash Dimensions
Width (L) 1500 mm, Height (H) 2400 mm
Maximum Sash Weight
120 kg
Consult maximum weight and dimensions according to typologies

Aesthetic possibilities:
Sash: Straight or curved
Glazing Bead: Straight or curved

OPENING POSSIBILITIES



Inward Opening
Side hung
Tilt & turn
Parallel Sliding
Bottom hung

Outward Opening
Side hung
Top hung
Pivoting of either horizontal or vertical axis

POSSIBILITIES



FEATURES

Transmittance		$U_w \geq 1.3$ (W/m ² K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class C5






Reference test 1.18 x 1.18m / 2 sashes



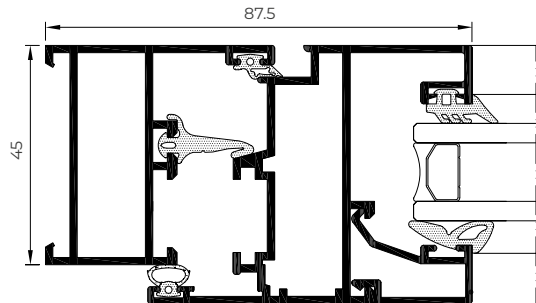
COR 3000

COR
2000

Euro-groove hinged system with a glazing capacity of 31 mm. Its profile thickness, of 1.5 mm in the window version and 1.7 mm in the door version, provides it with exceptional rigidity and durability.

FEATURES		
Transmittance		Uw ≥ 1.8 (W/m²K)
Acoustic insulation		Rw up to 39 dB
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class C5

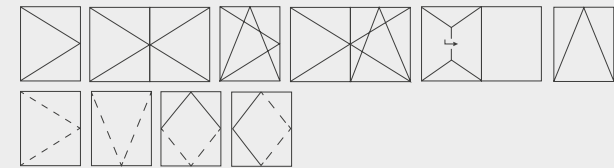
Reference test 1.20 x 1.18 m / 2 sashes



POSSIBILITIES



OPENING POSSIBILITIES



Inward opening
Side hung
Tilt & turn
Parallel Sliding
Bottom hung

Outward Opening
Side hung
Top hung
Pivoting of either horizontal or vertical axis

Sightlines

Frame 45 mm, Sash 53 mm

Profile Thickness

Window 1.5 mm
Door 1.7 mm

Glazing

Max. 31 mm, Min. 3 mm

Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2400 mm

Maximum Sash Weight

120 kg

Consult maximum weight and dimensions according to typologies



Aesthetic possibilities:

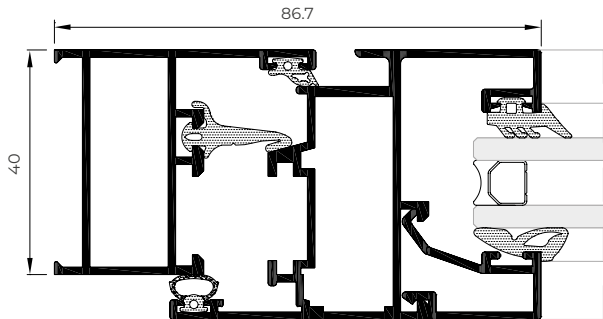
Sash: Straight or curved
Glazing Bead: Straight or curved

European
Groove



COR
2300

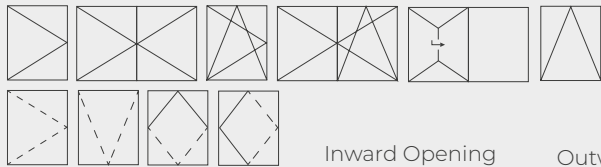
Hinged system with a frame depth of 40 mm and a reduced profile thickness.



POSSIBILITIES



OPENING POSSIBILITIES



Inward Opening
Side hung
Tilt & turn
Parallel Sliding
Bottom hung

Outward Opening
Side hung
Top hung
Pivoting of either horizontal or vertical axis



Sightlines

Frame 40 mm, Sash 48 mm

Profile Thickness

Window 1.3 mm
Door 1.4 mm

Glazing

Max. 26 mm, Min. 4 mm

Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2400 mm

Maximum Sash Weight

120 kg

Consult maximum weight and dimensions according to typologies

Aesthetic possibilities:

Sash: Straight or curved
Glazing Bead: Straight or curved






European
Groove



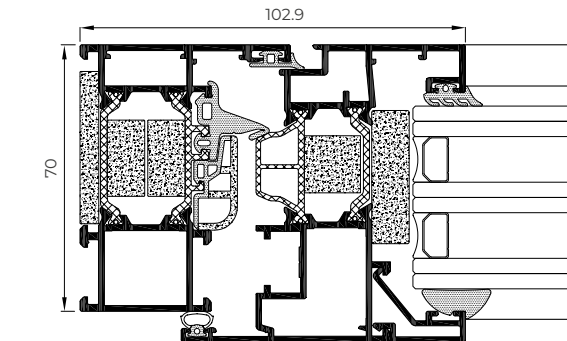
COR 70

C16 ST

Hinged system with a 70 mm frame depth compatible with any standard 16 groove hardware. It features a 35 mm thermal break zone in the frame and 30 mm in the sash, providing it with great thermal and acoustic performance.

FEATURES		
Transmittance		$Uw \geq 0.9$ (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1500
Wind resistance		Class C5

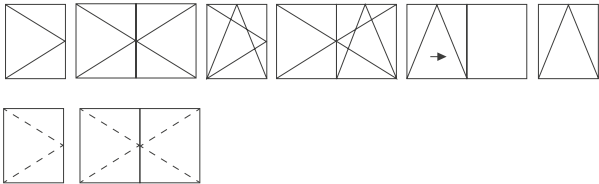
Reference test 1.23 x 1.48 m / 2 sashes
CSTB Laboratory DTA Certification



POSSIBILITIES



OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Bottom hung

Outward Opening

Side hung (door)



Aesthetic possibilities:
Sash: Straight
Glazing Bead: Straight or curved

Sightlines

Frame 70 mm, Sash 78 mm

Polyamide Strip Length

Frame 35 mm

Sash 30 mm

Profile Thickness

Window 1.5 mm

Door 1.7 mm

Glazing

Max. 55 mm, Min. 15 mm

Maximum Sash Dimensions

Width (L) 1500 mm, Height (H) 2600 mm

Maximum Sash Weight

150 kg

Consult maximum weight and dimensions according to typologies

16 Grooven
Thermally broken








COR 70 C16 ST

COR 70


Evolution


Hinged system with groove 16 destined for the industrial production of windows, doors and balconies. In order to reduce the manufacturing period, this new series offers the possibility of using pre-assembled gaskets, assembling cleats and a central floating mullion with a two piece hidden sash, which allows the glazing of double-sash windows on site. COR 70 Evolution is presented in a version of hidden or half-hidden sash with monoblock frames, in straight cut or perimetral, aiming at facilitating the on-site installation.


FEATURES		
Transmittance		Uw ≥ 0.81 (W/m²K)
Acoustic insulation		Rw up to 43 dB
Air permeability		Class 4
Water tightness		Class E1500
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

POSSIBILITIES


 SECURITY HARDWARE


 CONCEALED HINGES


 CONCEALED HANDLE

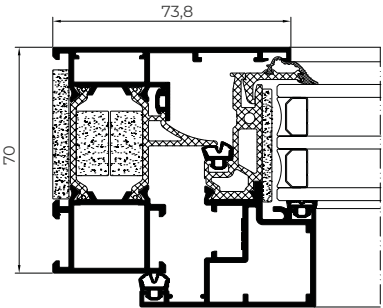
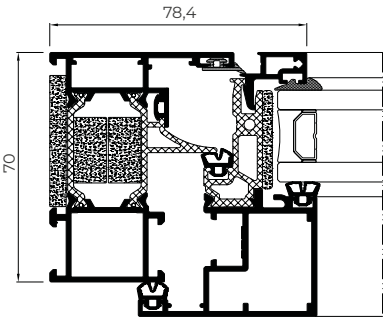
OPENING POSSIBILITIES

 Inward Opening

 Side hung

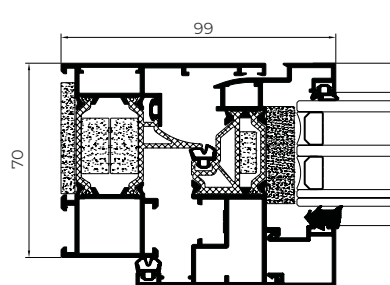
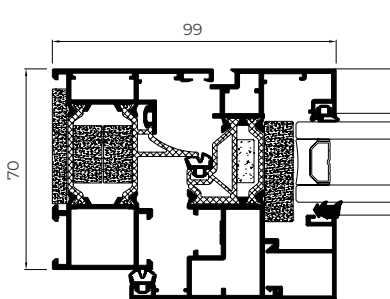
 Tilt & turn

 Tilt only



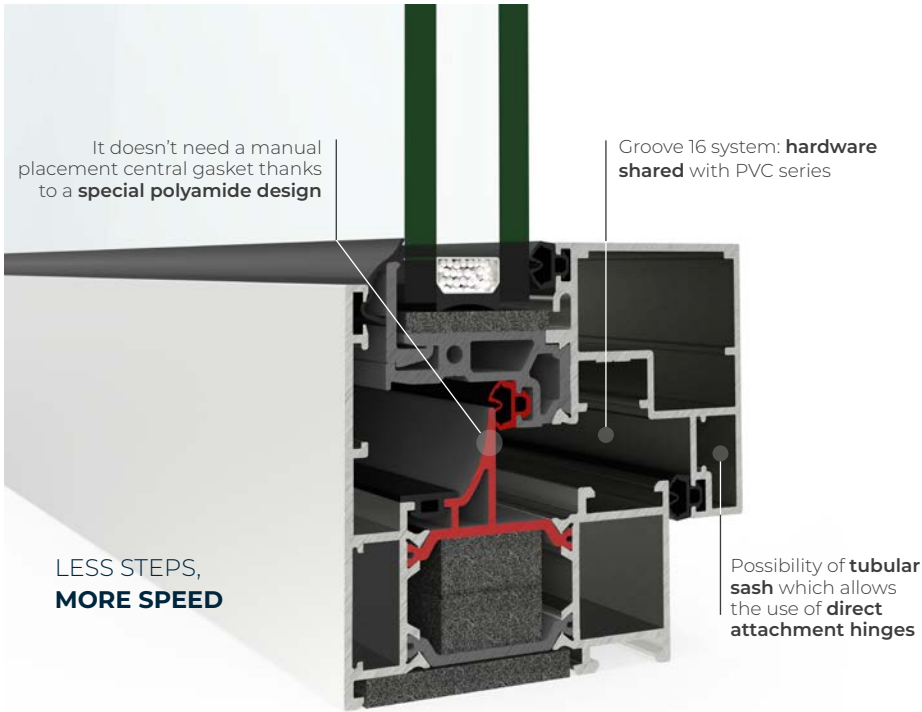
Sightlines
Frame 70 - 232 mm
Sash 72,5 - 80,5 mm
Glazing
36 mm
Maximum Sash Dimensions
Width (L) 1300 mm
Height (H) 2400 mm
Maximum Sash Weight
150 kg

Consult maximum weight and dimensions according to typologies



Sightlines
Frame 70 - 232 mm
Sash 80,5 - 88,5 mm
Glazing
63 mm
Maximum Sash Dimensions
Width (L) 1500 mm
Height (H) 2600 mm
Maximum Sash Weight
150 kg

16 Grooven
Thermally broken



POSSIBILITY OF PROVIDING
PREASSEMBLED GASKETS

Gaskets available
in black and grey



MANUAL GLAZING
GASKETS AVAILABLE



Glazing gasket
6.5 mm



Glazing gasket
8.5 mm



Glazing gasket
2.5 mm



Glazing gasket
4.5 mm



aesthetic possibilities



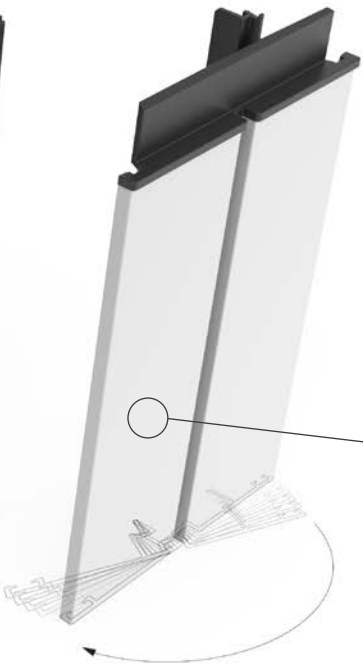
16 Grooven
Thermally broken



Covers available
in black or white



ASSEMBLING CLEATS
In order to speed the assembly up



NEW FLOATING MULLION
Floating mullion profile in two parts in order to **facilitate the on-site glazing** without the need to take the profile and hardware apart

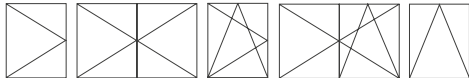
COR 70
Evolution

COR 70

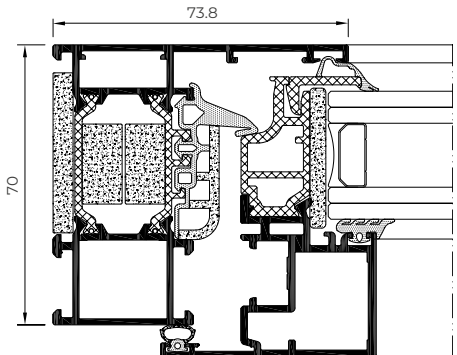
Hidden Sash C16 ST

Hidden sash hinged system compatible with any standard 16 groove hardware. Its attractive design is based on the concealment of the sash behind the frame, reducing the aluminium interlock profile to up to 73.8 mm. Thus achieving a glazed surface that can reach 85% of the totality of the window's glazing, facilitating the entry of light into the rooms. Its avant-garde aesthetic is completed with the possibility of concealing the drainage and hinges.

OPENING POSSIBILITIES



Inward Opening
Side hung
Tilt & turn
Bottom hung



Sightlines

Frame 70 mm, Sash 70 mm

Polyamide Strip Length

35 mm

Profile Thickness

Window 1.6 mm

Glazing

Fixed light: Max. 40 mm, Min. 27 mm

Window: Max. 38 mm, Min. 24 mm

Maximum Sash Dimensions

Width (L) 1300 mm, Height (H) 2400 mm

Maximum Sash Weight

150 kg

Consult maximum weight and dimensions according to typologies

POSSIBILITIES



SECURITY
HARDWARE



CONCEALED
HINGES

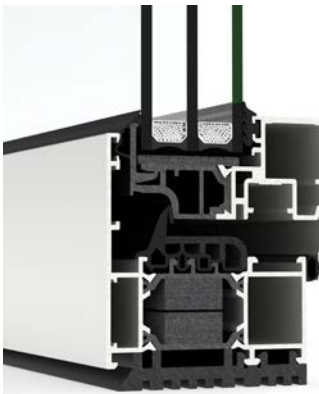


CONCEALED
DRAINAGE

FEATURES

Transmittance		$U_w \geq 0.93 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 45 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes
CSTB Laboratory DTA Certification



* Possibility of concealed drainage

16 Grooven
Thermally broken



COR 70 HIDDEN SASH C16 ST



COR 3500

C16 ST






Compatible with any standard 16 groove hardware in the market. This hinged system has a 54 mm frame depth and a thermal break zone of 24 mm. It is presented as a versatile solution for mild climates.

POSSIBILITIES

 SECURITY
HARDWARE

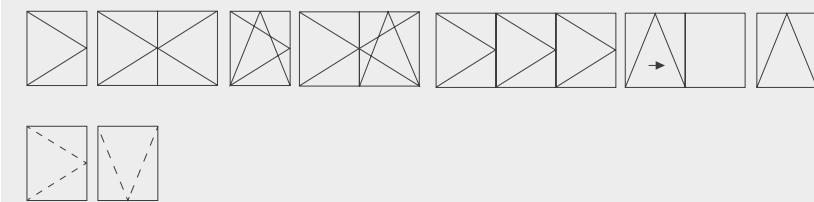
 CONCEALED
HINGES

 ACCESSIBILITY

FEATURES		
Transmittance		$Uw \geq 1.2 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class C4

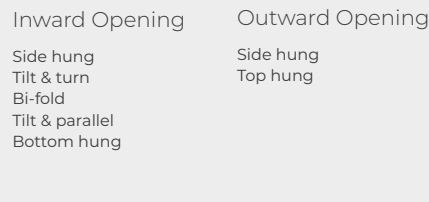
Reference test 1.23 x 1.48 m / 2 sashes

OPENING POSSIBILITIES



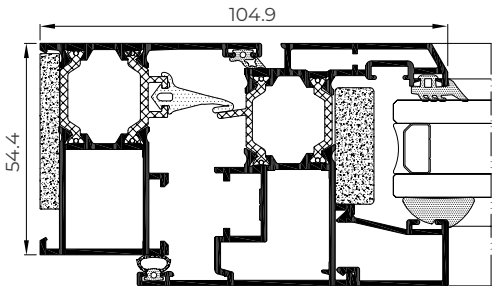
Inward Opening

Side hung
Tilt & turn
Bi-fold
Tilt & parallel
Bottom hung



Outward Opening

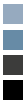
Side hung
Top hung



Aesthetic possibilities:
Sash: Curved or chamfered
Glazing Bead: Straight or curved



16 Grooven
Thermally broken



COR 3500 C16 ST



Sightlines
Frame 54 mm, Sash 62 mm

Polyamide Strip Length
24 mm

Profile Thickness
Window 1.5 mm
Door 1.7 mm

Glazing
Max. 32 mm, Min. 27 mm

Maximum Sash Dimensions
Width (L) 1500 mm, Height (H) 2600 mm

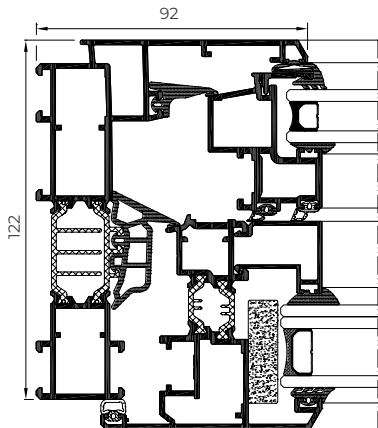
Maximum Sash Weight
120 kg

Consult maximum weight and dimensions according to typologies

COR URBAN

C16

This system is especially suitable for buildings located in areas with high acoustic activity. This thermally broken window with double hidden sash of 122 mm, quadruple glazing and 4 gaskets, enables a noise reduction of up to 50 dB.



- Sightlines**
Frame 122 mm, Sash 121 mm
- Polyamide Strip Length**
Frame 35 mm, Sash 20 mm
- Profile Thickness**
Window 1.6 mm
- Glazing**
Internal sash: Max. 38 mm, Min. 13 mm
External sash: Max. 22 mm, Min. 11 mm
- Maximum Sash Dimensions**
Width (L) 1200 mm, Height (H) 2200 mm
- Maximum Sash Weight**
150 kg

Consult maximum weight and dimensions according to typologies

POSSIBILITIES

CONCEALED HINGES

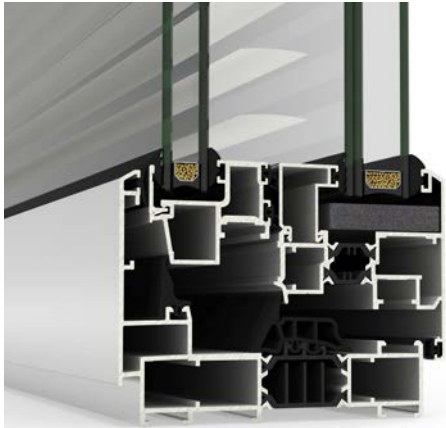
OPENING POSSIBILITIES

Inward opening






Side hung

Tilt & turn

- 16 Grooven
- Thermally broken



Aesthetic possibilities:
Sash: Chamfered / Glazing Bead: Chamfered

FEATURES		
Transmittance		$U_w \geq 1.2 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 50 dB
Air permeability		Class 4
Water tightness		Class E1650
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 1 sash

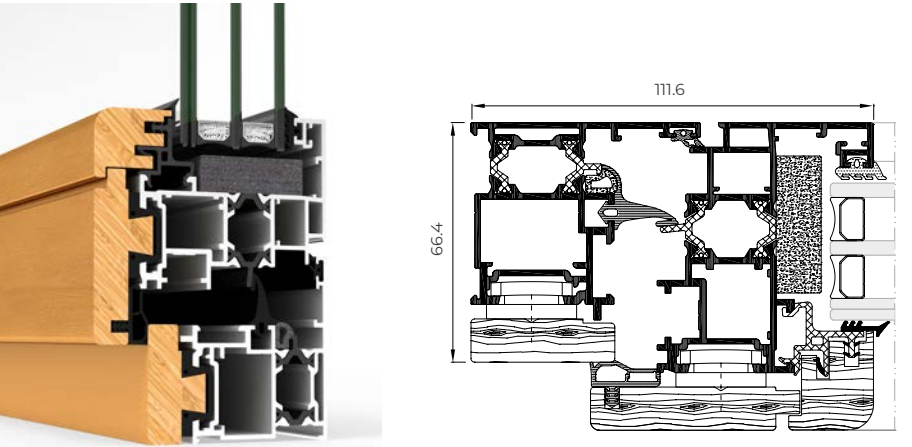


COR URBAN C16

COR GALICIA

Premium C16

Thermally broken mixed system that combines an external aluminium profile and its excellent performance with the warmth and design that an internal timber profile provides. Any of the finishes amongst the extensive range of CORTIZO powder coating or anodizing finishes may be selected for the surface treatment of the external face. On the other hand, the internal face is available in American oak, sapelly, mellis pine and other timber options available on request, all of them treated with a transparent, satin, dissolvent free ecological varnish.



OPENING POSSIBILITIES

Inward opening

Side hung

Tilt & turn

Tilt & parallel

Bottom hung

16 Grooven

Thermally broken



POSSIBILITIES



FEATURES		
Transmittance		Uw ≥ 1.1 (W/m²K)
Acoustic insulation		Rw up to 40 dB
Air permeability		Class 4
Water tightness		Class E1050
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

Sightlines

Frame 66.4 mm, Sash 85.3 mm

Polyamide Strip Length

Frame 14.8 mm

Sash 16 mm

Profile Thickness

Window 1.5 mm

Door 1.6 mm

Glazing

Sash: Max. 40 mm, Min. 18 mm

Fixed light: Max. 30 mm, Min. 8 mm

Maximum Sash Dimensions

Width (L) 1400 mm

Height (H) 2400 mm

Maximum Sash Weight

100 kg

Aesthetic possibilities:

Sash: Straight / Glazing Bead:

Curved








Consult maximum weight and dimensions according to typologies

COR GALICIA PREMIUM C16




CASEMENT


Thermally broken window that allows for both side hung and top hung outward openings. This solution, with a thermal break zone of 32 mm and a transmittance U_w from 1.0 W/m^2K , has the British security certification PAS 24, being especially suitable for this market.

FEATURES		
Transmittance		$U_w \geq 0.9 (W/m^2K)$
Acoustic insulation		Rw up to 45 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class CE 2400
Security test	 	Passed






Reference test 1.44 x 1.33 m / 1 sash + 1 fixed light
Security test: Reference test 1.44 x 1.33 m / 1 sash + 1 fixed light

POSSIBILITIES

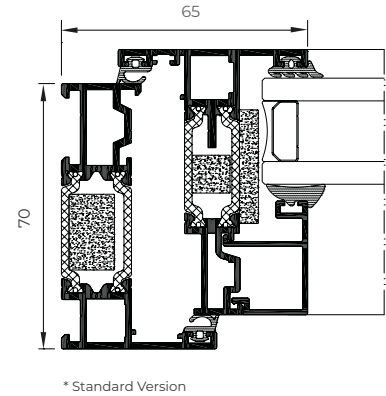
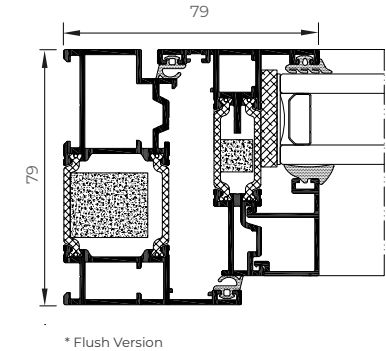
 SECURITY HARDWARE

 CONCEALED HINGES

OPENING POSSIBILITIES



Outward Opening
Side hung
Top hung



Thermally broken



Sightlines

Frame 70 mm, Sash 70 mm

Polyamide Strip Length

32 mm

Profile Thickness

Window 1.6 mm

Glazing

Max. 44 mm, Min. 23 mm

Maximum Sash Dimensions

Slim Sash (Side Hung):

Width (L) 950 mm, Height (H) 1300 mm

Slim Sash (Top Hung):

Width (L) 1200 mm, Height (H) 1300 mm

Heavy Duty Sash (Side Hung):

Width (L) 750 mm, Height (H) 1750 mm

Heavy Duty Sash (Top Hung):

Width (L) 1800 mm, Height (H) 1800 mm

Maximum Sash Weight

Side Hung Slim Sash: 35 kg

Top Hung Slim Sash: 50 kg

Side Hung Heavy Duty Sash: 42 kg

Top Hung Heavy Duty Sash: 100 kg

Consult maximum weight and dimensions according to typologies



CASEMENT

contemporary
enclosures

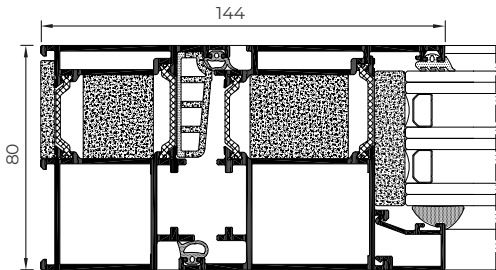


door systems

Millennium Plus 80

DOOR

Flush entrance door system with straight lines, 80 mm of frame depth, and a thermal break zone of 34 mm, particularly suitable for commercial and residential buildings.



FEATURES		
Transmittance		Uw ≥ 0.8 (W/m²K)
Acoustic insulation		Rw up to 40 dB
Air permeability		Class 4
Water tightness		Class 6A
Wind resistance		Class C4
Resistance to mild impact		Class 5 (Max.)
Repeated openings and closings		1,000,000 Cycles
Burglar resistance		Grade RC2

Wind resistance: Reference test 1.20 x 2.30 m / 1 sash
Resistance to mild impact: EN 13049. Test on door reference 1.80 x 2.20 m / 2 sashes. Laminated glass 3+3
Resistance to repeated openings and closings: EN 1191. Test on door reference 2.10 x 2.20 m / 1 sash
Burglar test NEN 5096: 2012+A1: 2015 in EN 1627:201

Sightlines

Frame 80 mm, Sash 80 mm

Polyamide Strip Length

34 mm

Profile Thickness

Door 2.0 mm

Glazing

Max. 64 mm, Min. 15 mm

Maximum Sash Dimensions

Door:

Width (L) 1800 mm, Height (H) 3000 mm

Concealed door hinges:

Width (L) 1500 mm, Height (H) 3000 mm


Maximum Sash Weight


220 kg


Consult maximum weight and dimensions according to typologies








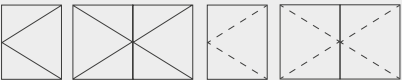
POSSIBILITIES

 CONCEALED HINGES

 ACCESSIBILITY

 AUTOMATION

OPENING POSSIBILITIES



Inward Opening

Side hung

Outward opening

Side hung

Automatic Opening

Inward and outward side hung

Millennium Plus 70

DOOR

Flush entrance pedestrian door system with 70 mm of frame depth that guarantees high thermal and acoustic insulation.



Sightlines

Frame 70 mm, Sash 70 mm

Polyamide Strip Length

24 mm

Profile Thickness

Door 2.0 mm

Glazing

Max. 54 mm, Min. 15 mm

Maximum Sash Dimensions

Door:

Width (L) 1800 mm, Height (H) 3000 mm

Concealed door hinges:







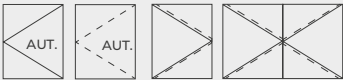

Width (L) 1500 mm, Height (H) 3000 mm

Maximum Sash Weight

220 kg

Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES



Inward Opening

Side hung

Outward opening

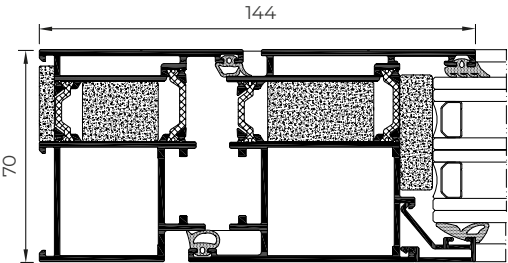
Side hung

Automatic Opening

Outward and inward side hung

Swing Opening

Side hung



FEATURES		
Transmittance		Uw ≥ 0.9 (W/m²K)
Acoustic insulation		Rw up to 38 dB
Air permeability		Class 4
Water tightness		Class 6A
Wind resistance		Class C4
Resistance to mild impact		Class 5 (Max.)
Repeated opening and closings		1,000,000 cycles
Burglar resistance		Grade RC2

Wind resistance: Reference test 1.20 x 2.30 m / 1 sash
Resistance to mild impact: EN 13049. Test on door reference 1.80 x 2.20 m / 2 sashes. Laminated glass 3+3
Security test: EN 5096: 2012+A1: 2015 in EN 1627: 201
Resistance to repeated openings and closings: EN 1191. Test on door reference 2.1 X 2.2 m / 2 sashes
Burglar test NEN 5096: 2012+A1: 2015 en EN 1627:201

POSSIBILITIES

 CONCEALED HINGES

 ACCESSIBILITY

 AUTOMATION



MILLENNIUM PLUS 80 DOOR

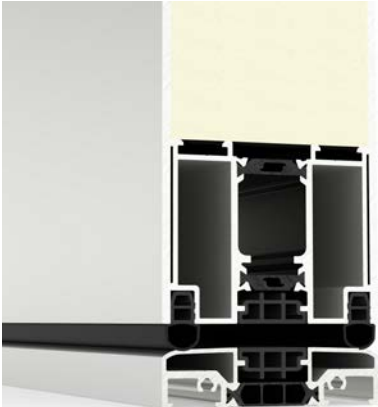
CONCEALED HINGES

The Millennium Plus door system allows **concealed hinges** that reinforce the flush aesthetic of the series

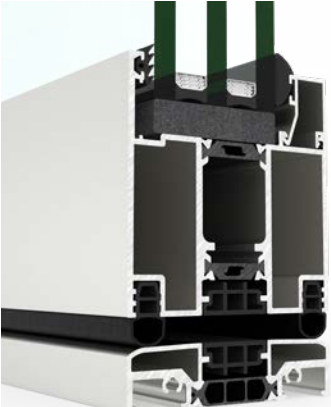


Millennium Plus Pivot
DOOR

The new CORTIZO entrance door system, available in a paneled or glazed version, responds to the latest design trends. Thanks to its axes, it allows large pivot openings, becoming a cutting-edge solution for contemporary architecture. Safety and excellent thermal and acoustic performance are also protagonists in a system that completes CORTIZO's catalog of minimalist solutions.



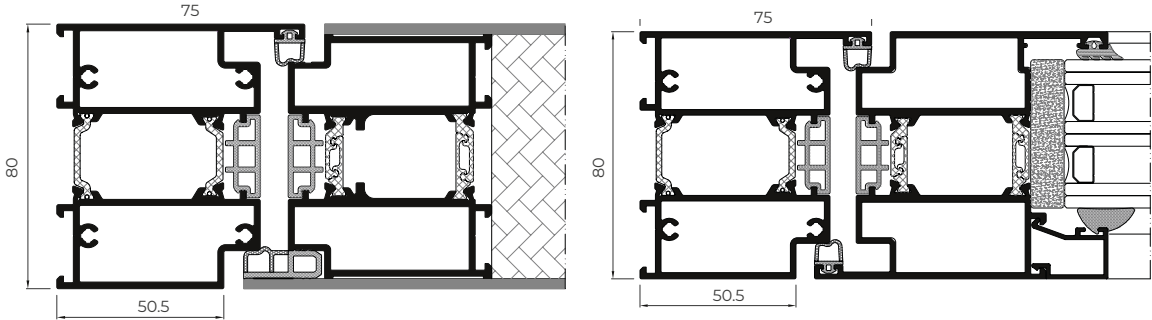
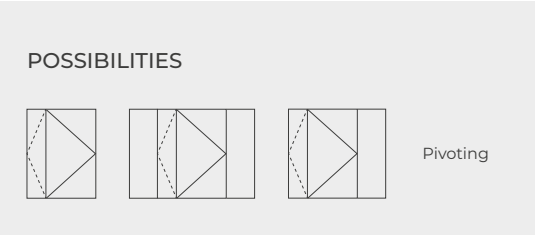
Paneled version



Glazed version

FEATURES		
Transmittance		$U_D \geq 0,86 \text{ (W/m}^2\text{K)}$
Air permeability		Class 4
Water tightness		Class 5A
Wind resistance		Class C5

Reference test 1,20 x 2,00 m / 1 Sash



Doors



MILLENNIUM PLUS PIVOT DOOR



Sightlines

Frame 80 mm, Sash 80 mm

Polyamide Strip Length

24 / 26 mm

Profile Thickness

Door 2,0 mm

Panel

80 mm

Maximum glazing

64 mm

Maximum Sash Dimensions

Width (L) 2100 (1700* + 400) mm

Height (H) 3000 mm

Maximum Sash Weight

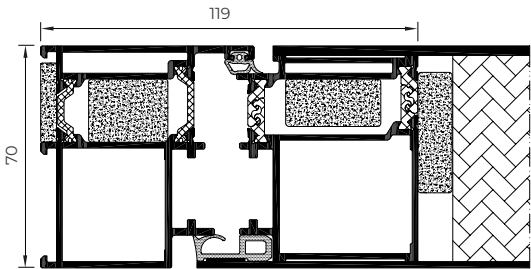
250 kg

Consult maximum weight and dimensions according to typologies

* Measured from the pivot axis

Panelled
DOOR

Compatible with the Millennium Plus 80 and Millennium Plus 70 series, it incorporates a panel integrated into the sash, which allows a wide range of aesthetic possibilities. In addition, it allows for the installation of an embedded handle with led illumination and a scanner.



OPENING POSSIBILITIES

Inward Opening

Side hung

Automatic side hung

Outward Opening

Side hung

Automatic side hung

Wind resistance: Reference test 1.20 x 2.30 m / 1 sash
Resistance to mild impact: Test carried out according to standard EN 13049
Test on door reference 1.80 x 2.20 m / 2 sashes. Laminated glass 3+3
Resistance to repeated openings and closing: Test carried out according to standard EN 1191
Test on door reference 0.935 x 2.10 m / 1 sash

*Compatible with Millenium Plus 70 and 80 doors

Doors



Sightlines

Frame 80 / 70 mm, Sash 80 / 70 mm

Polyamide Strip Length

30 / 34 mm (80)

20 / 24 mm (70)

Profile Thickness

Door 2,0 mm

Panel

Max. 80 mm, Min. 33 mm (80)

Max. 70 mm, Min. 23 mm (70)

Maximum Sash Dimensions

Door:

Width (L) 1800 mm, Height (H) 3000 mm

Concealed door hinges:

Width (L) 1500 mm, Height (H) 2700 mm

Maximum Sash Weight

220 kg

120 Kg (concealed hinges)

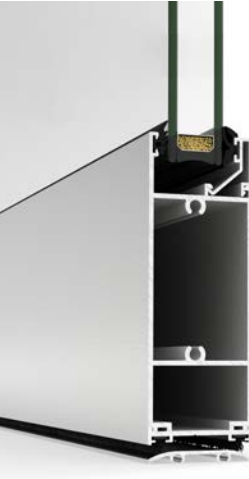
Consult maximum weight and dimensions according to typologies



Millennium 2000

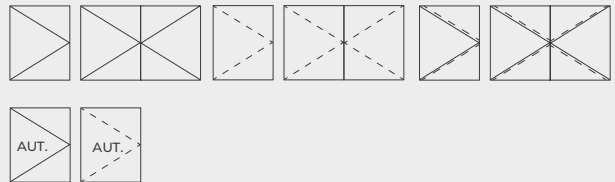
DOOR

Pedestrian door system for commercial and residential buildings that allows the incorporation of double or triple flag hinges of high strength, capable of supporting up to 180 kg. per sash.



- Sightlines**
Frame 45 mm, Sash 45 mm
 - Profile Thickness**
Door 2.0 mm
 - Glazing**
Max. 30 mm, Min. 3 mm
 - Maximum Sash Dimensions**
Side hung:
Width (L) 1450 mm, Height (H) 3000 mm
Swing:
Width (L) 1100 mm, Height (H) 3000 mm
 - Maximum Sash Weight**
180 kg
- Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES



- Inward opening
Side hung
Automatic side hung
- Outward Opening
Side hung
Automatic side hung
- Swing Opening
Side hung 1 and 2 sashes

POSSIBILITIES



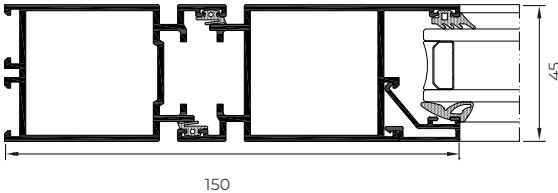
ACCESSIBILITY

Aesthetic possibilities:
Sash: Straight / Bead: Straight or curved

FEATURES

Transmittance		$U_w \geq 2.3 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 38 dB
Resistance to mild impact		Class 5 (Max.)

Test carried out according to standard UNE-EN 13059
Reference test 1.80 x 2.20 m / 2 sashes. Laminated glass 3+3



MILLENNIUM 2000 DOOR



MILLENNIUM SLIDING AUTOMATIC DOOR

Millennium Sliding Automatic

DOOR

Door system with sliding sashes and automatic opening, designed to solve high traffic entrances (offices, shopping centres, hospitals...) since it guarantees fluidity of user's traffic and safety in emergency situations.

POSSIBILITIES



AUTOMATION



ACCESSIBILITY



Sightlines

Frame 45 mm

Sash 45 mm (EC-drive engine)

Sash 25 mm (Slimdrive engine)

Profile Thickness

Door 2.0 mm

Glazing

Max. 30 mm, Min. 3 mm

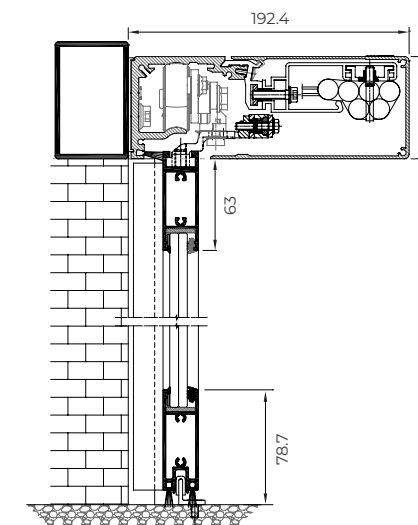
Maximum Sash Dimensions

Width (L) 2000 mm, Height (H) 3000 mm

Maximum Sash Weight

120 Kg

Consult maximum weight and dimensions according to typologies



OPENING POSSIBILITIES



Automatic Opening






Sliding 1 sash and 1 fixed light

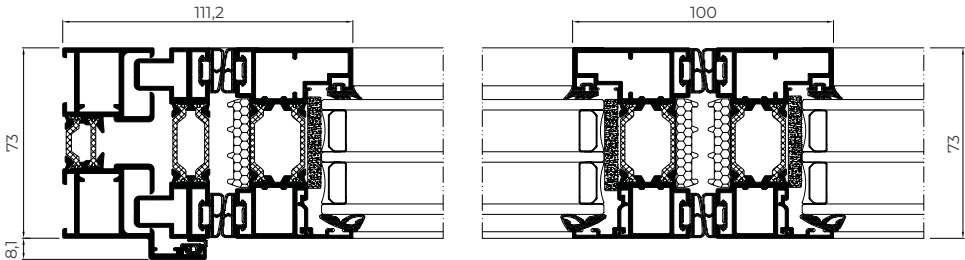
Sliding 2 sashes and 2 fixed lights

Bi-fold
DOOR

Doors

Bi-fold door system with 73 mm of frame depth and optimal thermal and acoustic performances, ideal for moderate climates.

FEATURES		
Transmittance		$Uw \geq 0.97$ (W/m²K)
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class A3
Security test		Passed
Wind resistance: reference test 2.700 x 2.530 m / 3 sashes Security test: Configuration 330. 2701 x 2517 mm / 3 sashes		



OPENING POSSIBILITIES



Outward
From 1 to 14 sashes
Possibility of corner sash at 90° without mullion

POSSIBILITIES



Sightlines

Frame 73 mm, Sash 73 mm

Polyamide Strip Length

Frame 20 mm

Sash 30 mm

Profile Thickness

Door 1.8 mm

Glazing

Max. 45 mm, Min. 25 mm

Maximum Sash Dimensions

Width (L) 1200 mm, Height (H) 3000 mm

Maximum Sash Weight

120 kg







Consult maximum weight and dimensions according to typolog

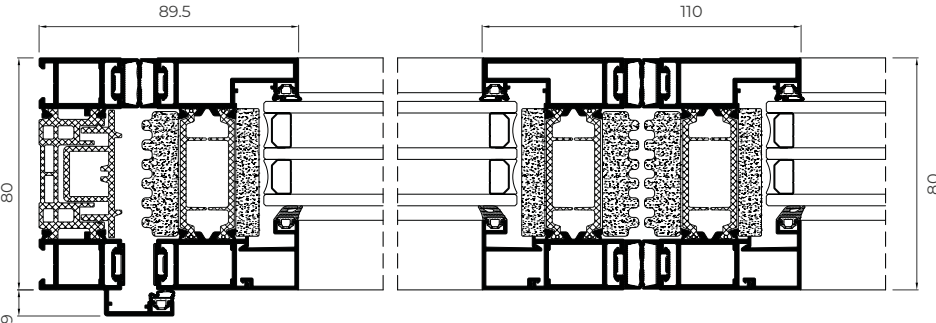


Bi-fold plus
DOOR

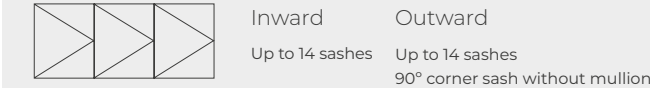
Doors

Separate environments and unify spaces with this bi-fold door system with an 80 mm deep frame. This evolution of the Bi-fold series offers an excellent thermal and acoustic performance, thanks to its 45 mm thermal break and a glazing capacity up to 52 mm. Besides, it presents a slim central section of 110 mm which allows the maximisation of the glazed surface, filling the interior spaces with natural light.

FEATURES		
Transmittance		$Uw \geq 0.78$ (W/m²K)
Air permeability		Class 4
Water tightness		Class E750
Wind resistance		Class C3
Repeated openings and closings		50.000 cycles (Main swing door) 25.000 cycles (Even sashes)
Security test		Passed
Reference test 3.73 x 2.50 m, 3 sashes Security test: 3 sashes reference test. Configuration 321 2.70 x 2.50 m Resistance to repeated openings and closings: EN 1191, 3 sashes reference test. Configuration 321 3.73 x 2.50 m		



OPENING POSSIBILITIES



POSSIBILITIES



Sightlines

Frame 80 mm, Sash 80 mm

Polyamide Strip Length

Frame 45 mm

Sash 45 mm

Profile Thickness

Door 1.8 mm

Glazing

Max. 48 mm, Min. 25 mm

Maximum Sash Dimensions

Width (L) 1200 mm, Height (H) 3000 mm

Maximum Sash Weight

120 kg

Consult maximum weight and dimensions according to typologies





contemporary
enclosures








sliding window and door systems

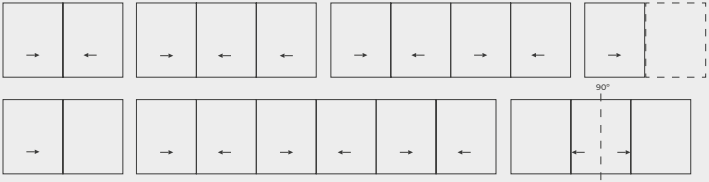
COR VISION

Plus

The greatness of minimalism is reflected in this sliding system of large dimensions with sashes of up to 4 meters, interlock sightline of only 25 mm and frames embedded in the perimeter, allowing for a glazed surface of up to 94%. It has a maximum glazing capacity of 56 mm, offering excellent thermal and acoustic performances. Available with manual (up to 400 kg) or motorized (up to 700 kg) opening system. Additionally, accessibility is favoured by the possibility of hiding the rail and even integrating it fully into the floor.

FEATURES		
Transmittance		$Uw \geq 0.9$ (W/m²K)
Acoustic insulation		Rw up to 43 dB
Air permeability		Class 4
Water tightness		Class 7A* / 9A**
Wind resistance		Class C3* / C4**
<small>Wind resistance: * Reference test balcony 4.00 x 3.00 m / 2 sashes ** Reference test balcony 4.00 x 3.00 m / 1 sash + 1 fixed light</small>		

OPENING POSSIBILITIES



Sliding

Possibility of 1, 2, 3 or 4 rails

Possibility of inner and outer corner sash at 90° without mullion

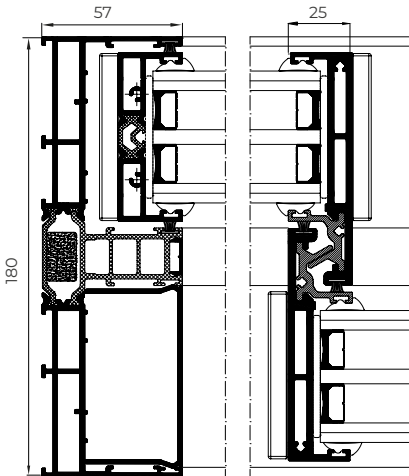
Pocket possibility

Sliding

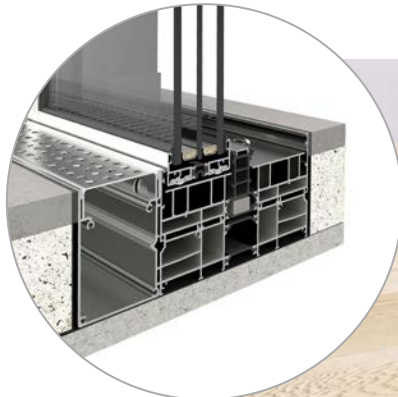
Thermally broken



- Sightlines**
Frame 180 mm / 278 mm 3 rails
Sash 69 mm
- Polyamide Strip Length**
Frame 40 mm
Sash 18 / 32 mm
- Profile Thickness**
Door 2.0 mm
- Glazing**
Max. 56 mm, Min. 36 mm
- Maximum Sash Dimensions**
Width (L) 4000 mm, Height (H) 4000 mm
*Glazed surface 14 m²
- Maximum Sash Weight**
400 kg Manual
700 Kg Motorized
- Consult maximum weight and dimensions according to typologies



DRAINAGE SOLUTION



Possibility of **embedding the bottom profile and integrate it within the floor finish** (pallet, pavement, ceramic...), achieving a transition without any obstacle between the interior and exterior of the room.



SECURITY
HARDWARE

FLUSH SECURITY
HARDWARE

MAXIMUM SECURITY

Locking system with internal and external key.
Embedding of the hardware into the profile with the same minimalist aesthetic.
Possibility of powder coating in any color to provide uniformity to the ensemble.

POSSIBILITIES



AUTOMATION






ACCESSIBILITY



COR VISION PLUS

COR VISION EVOLUTION

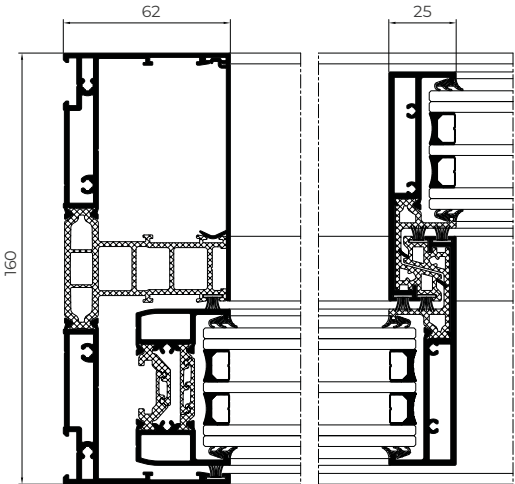
The new version of the Cor Vision Sliding accentuates its minimalism thanks to a closing system that allows the sashes to be embedded peripherally, opening up to infinite views that are only interrupted by a 25 mm interlock.

FEATURES		
Transmittance		$U_w \geq 0.88 \text{ (W/m}^2\text{K)}$
Air permeability		Class 4
Wind resistance		Class C5

Sliding
Thermally broken

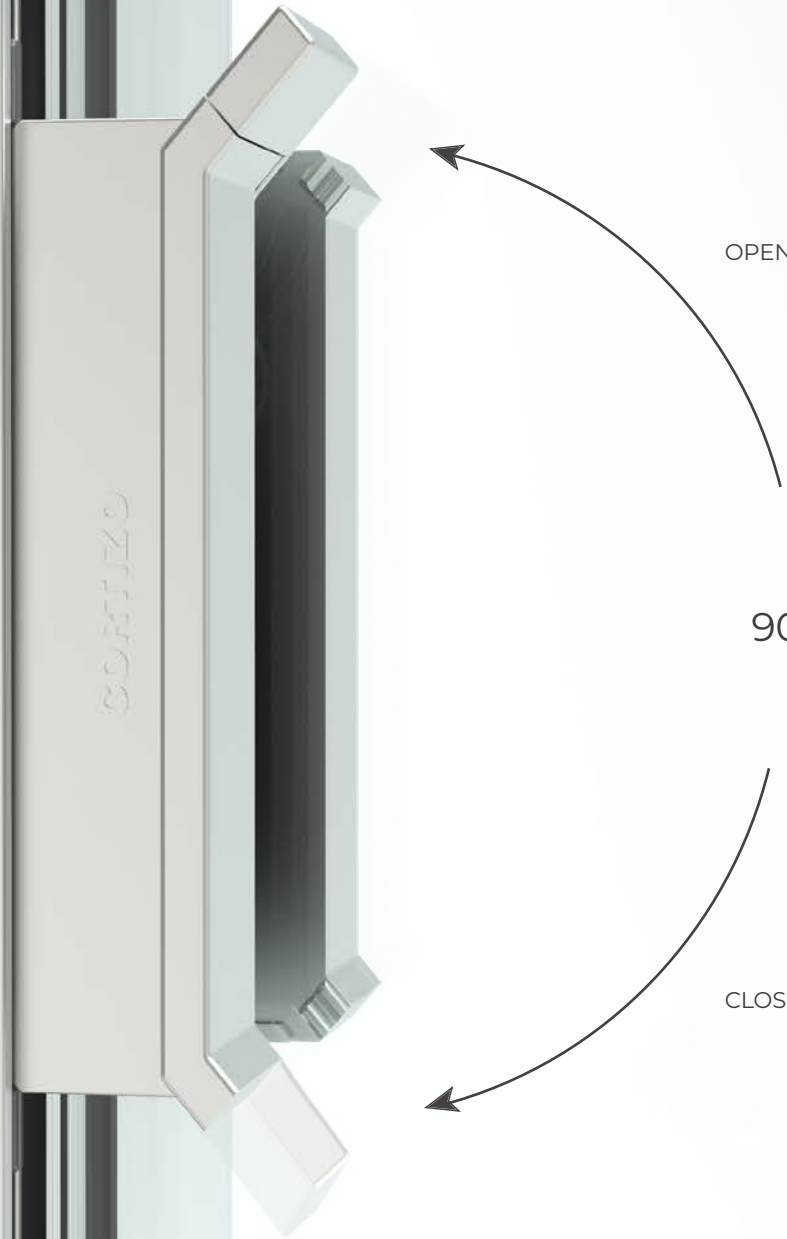
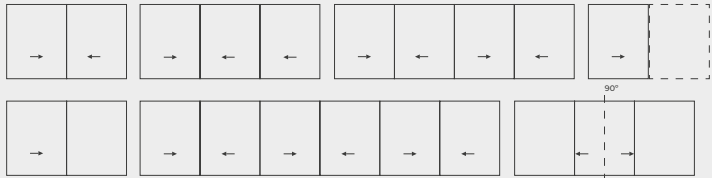


Sightlines
Frame 160 mm / 248 mm 3 rail
Lateral sightline 62 mm
Interlock 25 mm
Glazing
Max. 44 mm, Min. 28 mm
Maximum sash dimensions
Width (L) 3000 mm, Height (H) 3500 mm
Maximum sash weight
500 kg
Consult maximum weight and dimensions according to typologies



OPENING POSSIBILITIES

Sliding
Possibility of 1, 2, or 3 rails
Possibility of inner and outer corner sash at 90° without mullion
Pocket possibility



OPEN

90°

CLOSE

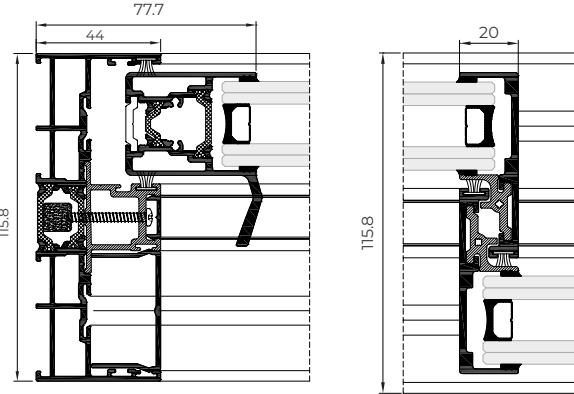
The new lock of the COR Vision Evolution is conceived to achieve total concealment of the sashes behind the frame, activating the opening and closing of the window with a smooth semicircular turn.

COR
VISION

Thermally broken minimalist sliding system that provides maximum luminosity with a minimal aluminium interlock profile. It has an elegant design only 20 mm sightline and offers the possibility of an inlaid closing system and of hiding the frame along the perimeter.

Possibility of locking system in the interlock, thus allowing the concealment of the sashes in the frame from a frontal view.

Possibility of embedded locking system which facilitates the sashes crossing.



FEATURES		
Transmittance		Uw ≥ 1.3 (W/m²K)
Acoustic insulation		Rw up to 41 dB
Air permeability		Class 4
Water tightness		Class 7A
Wind resistance		Class C5
Security test		Passed

Reference test 1.23 x 1.55 m / 1 sash + 1 fixed light

Sliding
Thermally broken



Sightlines
Frame 116 mm / 182 mm 3 rails
Sash 37 mm

Polyamide Strip Length
16 / 24 mm

Profile Thickness
Door 1.7 mm

Glazing
Max. 30 mm, Min. 26 mm

Maximum Sash Dimensions
Width (L) 2500 mm, Height (H) 3000 mm

Maximum Sash Weight
320 Kg

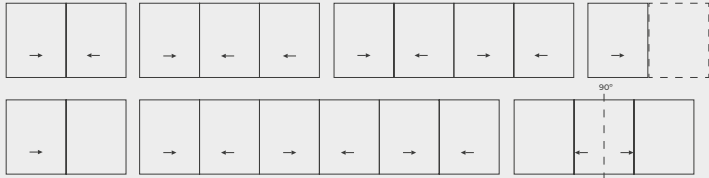
Consult maximum weight and dimensions according to typologies

POSSIBILITIES



ACCESSIBILITY

OPENING POSSIBILITIES



Sliding
Possibility of 1, 2 or 3 rails
Possibility of inner and outer corner at 90° without mullion
Pocket possibility

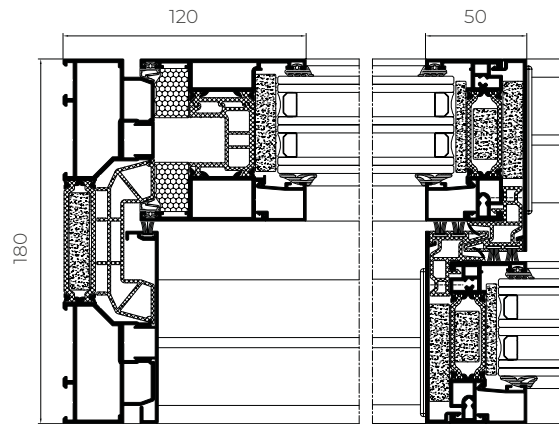
COR VISION



4600 PLUS

Lift & Slide

The new 4600 Plus Lift&Slide from Cortizo allows for the covering of large openings while ensuring exceptional thermal insulation. Its 80 mm deep sashes and special polyamides allow it to achieve a Uw transmittance of just 0,65 W/m²K, establishing itself as one of the sliding systems with the best thermal performance on the market. Furthermore, the perimeter interlock profile is reduced to 120 mm, allowing for an increased glazed surface and enhancing the entry of natural light into the rooms.



FEATURES		
Transmittance		Uw ≥ 0.65 (W/m²K)
Air permeability		Class 4
Water tightness		Class E750*
Wind resistance		Class C5**

*Reference test 4.0 x 2.5 m / 1 sash + 1 fixed light
**Reference test 4.0 x 2.5 m / 2 sashes

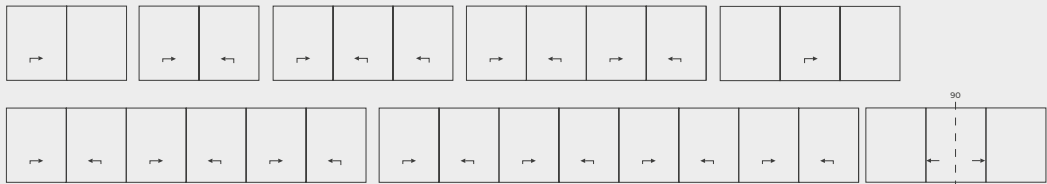


Sightlines
Frame 180 mm / 280 mm 3 rails /
380 mm 4 rails
Sash 80 mm
Glazing
Max. 65 mm, Min. 22 mm
Maximum Sash Dimensions
Width (L) 3300 mm, Height (H) 3500 mm
Maximum Sash Weight
400 kg

Consult maximum weight and dimensions according to typologies

Sliding
Thermally broken

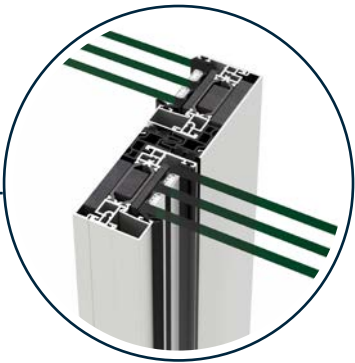
OPENING POSSIBILITIES



Sliding
1 rail (1 sash + 1 fixed light), 2, 3 & 4 rails
Possibility of 90° opening without mullion



4600 PLUS
LIFT & SLIDE



SLIM
INTERLOCK

Possibility of a **reduced interlock section of 50 mm** in monorail frame (sash + fixed light) and 2 rail frame, allowing a larger glazed surface.

4700

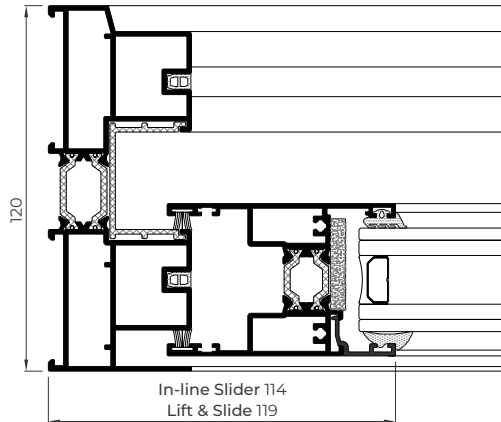
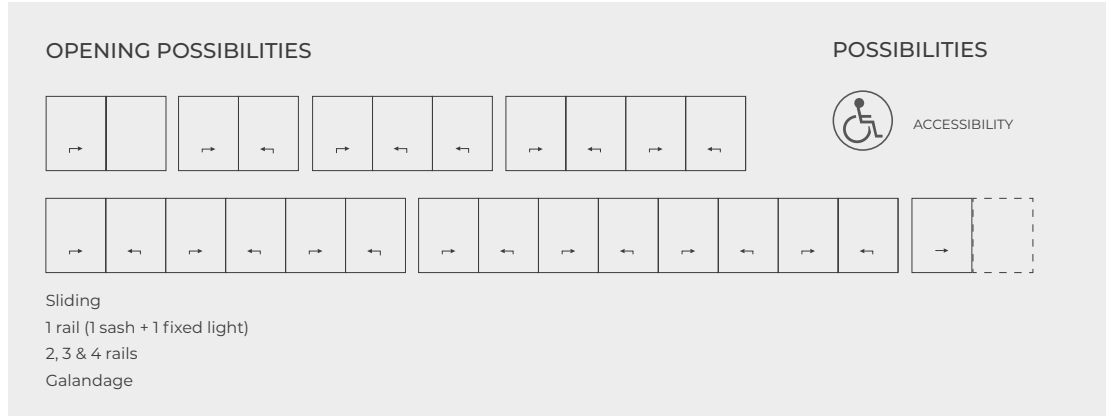
In-line Slider / Lift & Slide

This sliding system, available both in-line slider and lift & slide versions, becomes an ideal solution for closing large spans. It presents modern aesthetics in straight lines, a reduced interlock section and large glazed surfaces that ensure bright and comfortable areas, due to its thermal and acoustic performance.



FEATURES		
Transmittance		$Uw \geq 1,0$ (W/m²K)
Acoustic insulation		Rw up to 40 dB
Air permeability		Class 3* / 4**
Water tightness		Class 7A
Wind resistance		Class C5* / C2**
Security test		Passed

* Reference in-line slider test 1,8 x 2,2 m / 2 sashes
** Reference lift & slide test 4,0 x 2,50 m / 2 sashes
Security test: Reference test 2,40 x 2,40 m / 2 sashes



4700 SLIDING

- Sightlines**
Frame 115 and 120 mm, 185 mm 3 rails
Sash 50 mm
- Polyamide Strip Length**
20-25 mm
- Profile Thickness**
Balcony 1.5 mm
- Glazing**
Max. 36 mm, Min. 26 mm
- Maximum Sash Dimensions**
Width (L) 2500 mm, Height (H) 3000 mm
- Maximum Sash Weight**
In-line Slider 280 Kg
Lift & Slide 300 Kg
Consult maximum weight and dimensions according to typologies

4900 HI

Sliding

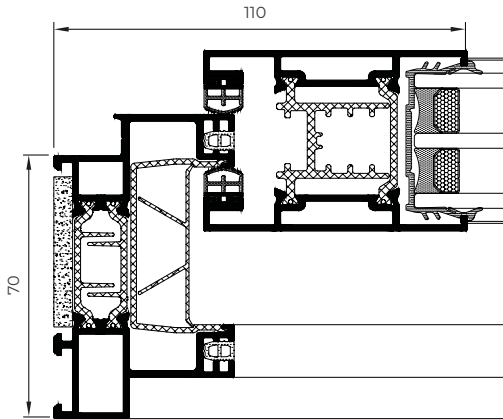
Standard sliding system with hinged features. Offers great thermal and acoustic performance favoured by a glazing capacity of up to 36 mm and a thermal break zone of 34 mm. It has an interlock section of 35 mm and straight lines, allowing the sashes to cross over thanks to the integrated handle with multilock system.



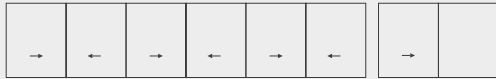
POSSIBILITIES



ACCESSIBILITY



OPENING POSSIBILITIES



Sliding
1 rail (sash + fixed light)
2 and 3 rails
Pocket possibility
Possibility of 90° opening without mullion

FEATURES

Transmittance		$U_w \geq 1.2 \text{ (W/m}^2\text{K)}$
Acoustic insulation		R_w up to 40 dB
Air permeability		Class 4
Water tightness		Class 7A
Wind resistance		Class C5

Reference test 1.80 x 2.20 m / 2 sashes
CSTB Laboratory DTA Certification

Sliding

Thermally broken



Sightlines

Frame 60, 70, 89, 120, 125, 130 mm
126, 145 mm 3 rails
201 mm 4 rails
Sash 48 mm

Polyamide Strip Length

34 mm

Profile Thickness

Window 1,6 mm

Glazing

Max. 36 mm, Min. 24 mm

Maximum Sash Dimensions

Width (L) 2200 mm

Height (H) 3000 mm

Maximum Sash Weight

240 kg

Consult maximum weight and dimensions according to typologies








4900 HI SLIDING

4200

Sliding

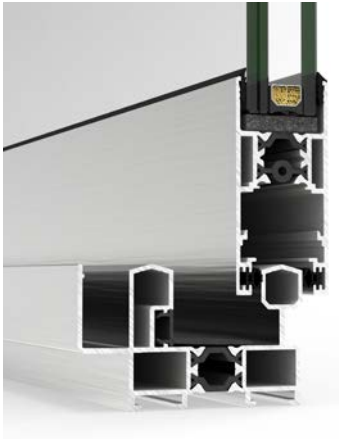
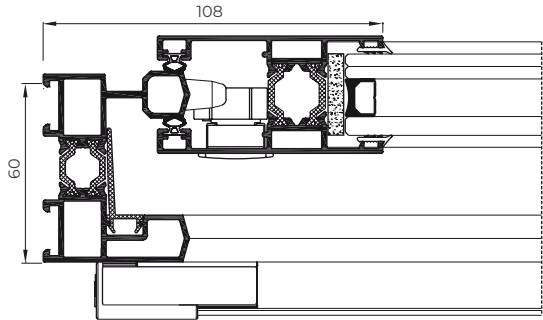
Standard sliding system with great versatility and straight or curved aesthetics, 45° or 90° sash encounters and various frames according to each configuration. The 45° and 90° sash encounter version allows the total opening of the span with the pocket possibility solution, completely concealing the sashes in the masonry wall's chamber. Furthermore, this version allows the integration of the solar protection Tamiz system on the same frame.

FEATURES		
Transmittance		Uw ≥ 1.5 (W/m²K)
Acoustic insulation		Rw up to 39 dB
Air permeability		Class 3
Water tightness		Class 7A
Wind resistance		Class C5

Reference test 1.20 x 1.20 m / 2 sashes

- Sightlines
- Frame 60 / 65 / 77 / 80 mm
- 106 / 126 mm 3 rails
- Sash 33 / 37 mm
- Polyamide Strip Length
- From 14.6 - 20 mm
- Profile Thickness
- Window 1.5 mm
- Glazing
- Max. 26 mm, Min. 9 mm

- Maximum Sash Dimensions
- Width (L) 2200 mm
- Height (H) 2600 mm
- Maximum Sash Weight
- 100 Kg 45° sash encounter
- 200 Kg 90° sash encounter
- Aesthetic possibilities:
- Sash: Straight or curved
- Bead: Straight or curved
- Consult maximum weight and dimensions according to typologies



OPENING POSSIBILITIES

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Sliding

1, 2 and 3 rails

Pocket possibility 1 and 2 rails

Sliding

Thermally broken

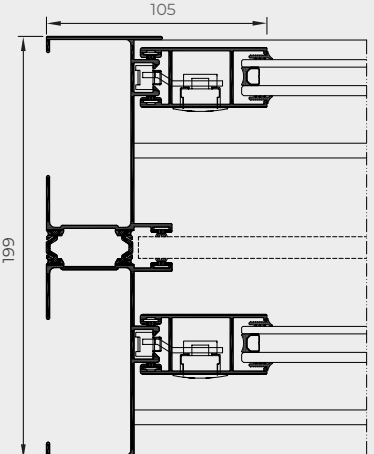


4200 SLIDING

5000

Double Sliding

Thermally broken double sliding window system with blind brackets inserted between the exterior and the interior sashes.



105

199

OPENING POSSIBILITIES

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Sliding

Sliding

Thermally broken



FEATURES		
Transmittance		Uw ≥ 1.3 (W/m²K)
Acoustic insulation		Rw up to 40 dB
Air permeability		Class 3
Water tightness		Class 8A
Wind resistance		Class C5
Reference test 1.25 x 1.50 m / 2 sashes		

Sightlines
Frame 199 mm
Sash 28 mm

Polyamide Strip Length
16 and 24 mm

Profile Thickness
Window 1.25 mm

Glazing
Max. 18 mm, Min. 4 mm

Maximum Sash Dimensions
Width (L) 1600 mm
Height (H) 2600 mm

Maximum Sash Weight
80 Kg






Consult maximum weight and dimensions according to typologies



5000

Sliding / Integral Sliding

Sliding system that integrates the blind bracket into the lateral frame. Also available in standard version.

FEATURES		
Transmittance		Uw ≥ 2.3 (W/m²K)
Acoustic insulation		Rw up to 34 dB
Air permeability		Class 3
Water tightness		Class 8A
Wind resistance		Class C5
Reference test 1.20 x 1.20 m / 2 sashes		

Sightlines
5000 Sliding: Frame 73 mm, Sash 28 mm
5000 Integral Sliding: Frame 121 mm, Sash 28 mm

Profile Thickness
Window 1.5 mm

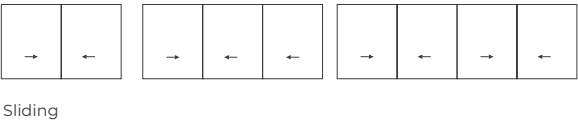
Glazing
Max. 18 mm, Min. 4 mm

Maximum Sash Dimensions
Width (L) 1600 mm
Height (H) 2600 mm

Maximum Sash Weight
80 Kg

Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES





5000 Sliding



83

73



5000 Integral Sliding



100

121

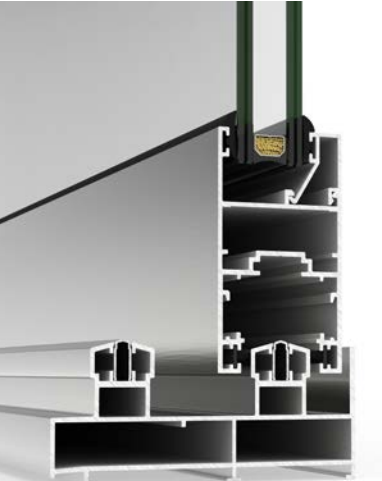
Sliding



MEDITERRANEAN

Balcony

Sliding balcony solution for mild climates with straight aesthetic and 45° sash and frame encounters.



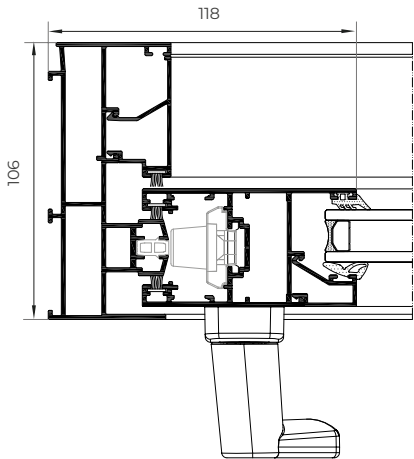
Sightlines
Frame 106 mm / 161 mm tricarril
Sash 45 mm

Profile Thickness
Balcony 1.5 mm

Glazing
Max. 30 mm, Min. 4 mm

Maximum Sash Dimensions
Width (L) 2200 mm
Height (H) 2600 mm

Maximum Sash Weight
240 Kg
Consult maximum weight and dimensions according to typologies



Sliding



OPENING POSSIBILITIES

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Sliding
1 rail (sash + fixed light), 2 and 3 rails
Pocket possibility

FEATURES		
Transmittance		$U_w \geq 2.1$ (W/m²K)
Acoustic insulation		Rw up to 35 dB
Air permeability		Class 3
Water tightness		Class 8A
Wind resistance		Class C4

Reference test 1.49 x 1.24 m / 1 sash + 1 fixed light



MEDITERRANEAN BALCONY

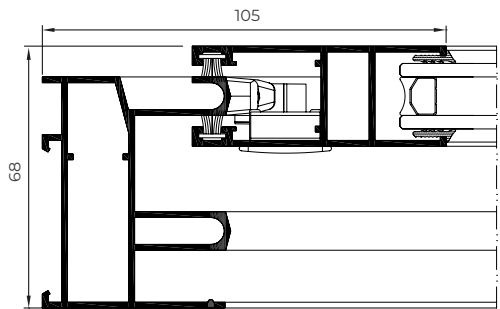
2000

Perimetral Sliding

Perimetral sliding system with the possibility of straight, curved or chamfered sashes.



- Sightlines**
Frame 40 mm 1 rail
40 / 45 / 60 / 70 mm 2 rails
80 mm 3 rails
Straight and Chamfered sash 26 mm
Curved sash 27.5 mm
- Profile Thickness**
Window 1.5 mm
- Glazing**
Max. 17 mm, Min. 3 mm
- Maximum Sash Dimensions**
Width (L) 1600 mm
Height (H) 2600 mm
- Maximum Sash Weight**
160 Kg
Consult maximum weight and dimensions according to typologies



Aesthetic possibilities:
Sash: Straight, curved or chamfered
Glazing Bead: Straight or curved

FEATURES		
Transmittance		Uw ≥ 2.9 (W/m²K)
Acoustic insulation		Rw up to 33 dB
Air permeability		Class 3
Water tightness		Class 8A
Wind resistance		Class C5

Reference test 1.20 x 1.20 m / 2 sashes

Sliding



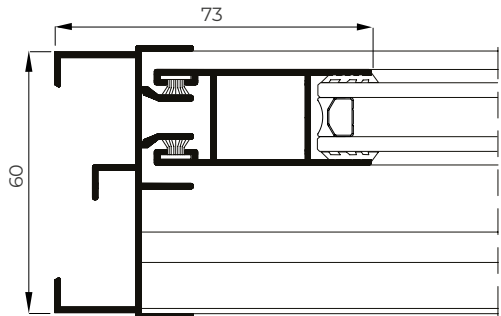
6200

Sliding

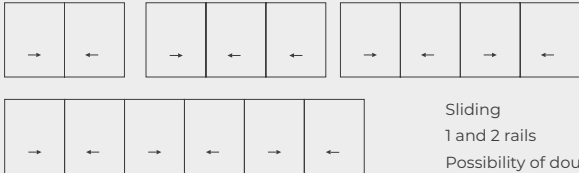
Sliding system recommended for mild climates with a profile thickness of 1.25 mm and a glazing capacity of 15 mm.



- Sightlines**
Frame 60 mm
Sash 22 mm
- Profile Thickness**
Window 1.25 mm
- Glazing**
Max. 15 mm, Min. 4 mm
- Maximum Sash Dimensions**
Window: Width (L) 800 mm, Height (H) 1600 mm
Balcony: Width (L) 800 mm, Height (H) 2100 mm
- Maximum Sash Weight**
80 Kg
Consult maximum weight and dimensions according to typologies



OPENING POSSIBILITIES



Sliding
1 and 2 rails
Possibility of double window

FEATURES		
Transmittance		Uw ≥ 3.2 (W/m²K)
Acoustic insulation		Rw up to 35 dB
Air permeability		Class 3
Water tightness		Class 7A
Wind resistance		Class C3

Reference test 1.12 x 1.15 m / 2 sashes

Sliding



6500

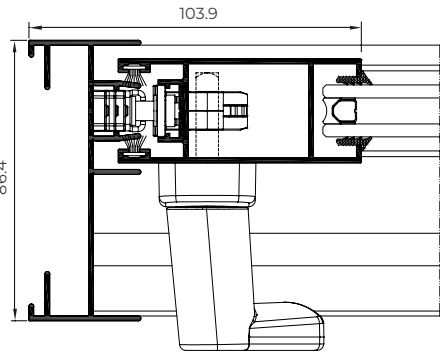
Sliding

Sliding door and window system with an average profile thickness of 1.5 mm for undemanding climates.



- Sightlines**
Frame 83 mm
Sash 32 mm
- Profile Thickness**
Window 1.5 mm
Door 1.5 mm
- Glazing**
Max. 17 mm, Min. 4 mm
- Maximum Sash Dimensions**
Width (L) 1900 mm
Height (H) 2600 mm
- Maximum Sash Weight**
140 kg

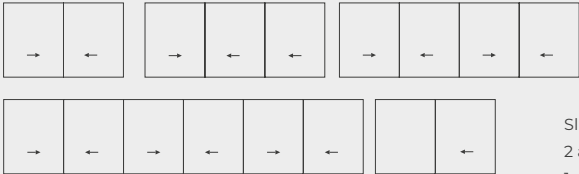
Consult maximum weight and dimensions according to typologies



Sliding



OPENING POSSIBILITIES



Sliding
2 and 3 rails
1 rail Pocket possibility

FEATURES

Transmittance		Uw ≥ 2.2 (W/m²K)
Acoustic insulation		Rw up to 34 dB
Air permeability		Class 3
Water tightness		Class 7A
Wind resistance		Class C4

Reference test 1.48 x 1.30 m / 2 sashes

6500

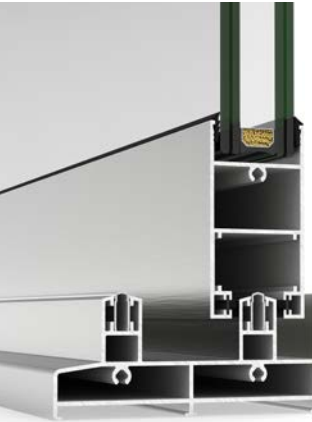
Plus Sliding

Window and door sliding system that allows an increase of the glazing capacity to up to 30 mm, thus improving the thermal and acoustic performance. Additionally, it has a interlock section of 40 mm that allows a larger glazed surface.

FEATURES

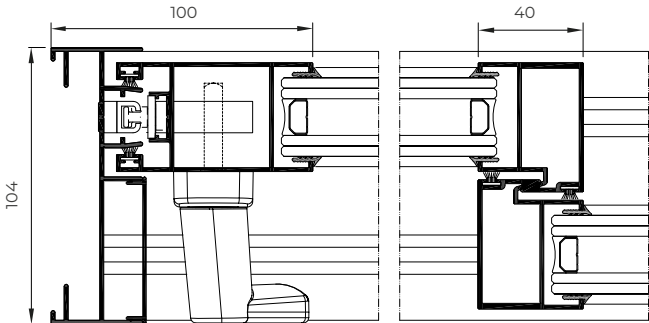
Transmittance		Uw ≥ 2.0 (W/m²K)
Acoustic insulation		Rw up to 36 dB
Air permeability		Class 3
Water tightness		Class 7A
Wind resistance		Class C4

Reference test 1.48 x 1.30 m / 2 sashes

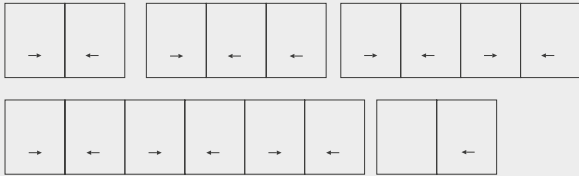


- Sightlines**
Frame 104 mm / 158.1 mm (3 rails)
Sash 41.6 mm
- Profile Thickness**
Window 1.5 mm
Door 1.5 mm
- Glazing**
Max. 30 mm, Min. 18 mm
- Maximum Sash Dimensions**
Width (L) 1900 mm, Height (H) 2600 mm
- Maximum Sash Weight**
240 kg

Consult maximum weight and dimensions according to typologies



OPENING POSSIBILITIES



Sliding
1 rail (sash + fixed light), 2 and 3 rails

Sliding



2000 PERIMETRAL SLIDING



6500 PLUS SLIDING



contemporary
enclosures



cortizo **PVC**

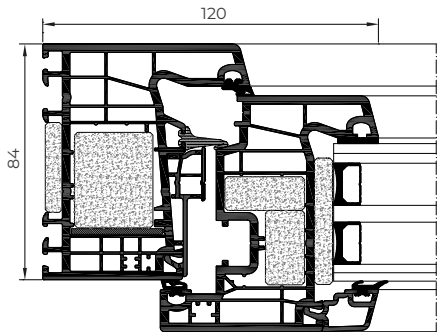
A 84

Passivhaus HI

Hinged system with 84 mm of frame depth and 6 interior chambers that offers the best thermal performance in the market, with a transmittance value U_w of only 0.66 W/m²K. This series has been certified by the Passivhaus Institute for cool-temperate category (cold and temperate weather), becoming an ideal solution for low energy consumption buildings. It includes special insulating foams in the sash and frame, disposing of the steel reinforcement to increase transmittance. The glass itself acts as a structural element of the window, fixed to the profile by a special adhesive tape.



PVC



POSSIBILITIES



SECURITY
HARDWARE



CONCEALED
HINGES

Sightlines

Frame 84 mm, Sash 84 mm

Glazing

Max. 56 mm, Min. 36 mm

Maximum Sash Dimensions

Window:

Width (L) 450-1300 mm

Height (H) 450-2200 mm

Maximum Sash Weight

Window: 130 kg

Consult maximum weight and dimensions according to typologies



Aesthetic possibilities:

Sash: Straight / Bead: Straight or curved

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Bottom hung

FEATURES

Transmittance		$U_w \geq 0.66$ (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1500
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

A 84

Passivhaus 1.0 Thermally broken / Passivhaus 1.0

Certified for the warm-temperate category (warm-temperate weather), it offers a transmittance value U_w of 0.74 W/m²K, thanks to the use of an internal reinforcement with thermal break.

FEATURES

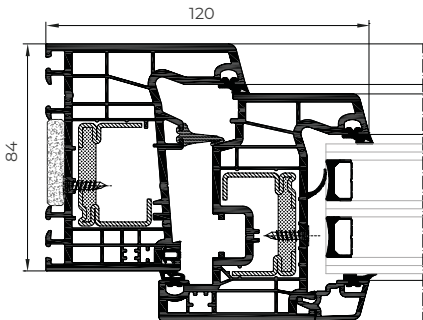
Transmittance		$U_w \geq 0.74$ (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1500
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

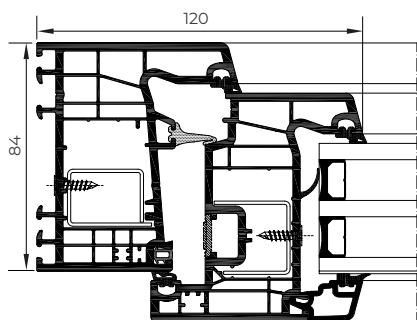
Aesthetic possibilities:

Sash: Straight

Bead: Straight or curved



Passivhaus 1.0 Thermally broken



Passivhaus 1.0



POSSIBILITIES

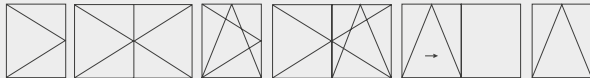


SECURITY
HARDWARE



CONCEALED
HINGES

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Bottom hung

Sightlines

Frame 84 mm, Sash 84 mm

Glazing

Max. 54 mm, Min. 18 mm

Maximum Sash Dimensions

Window:

Passivhaus 1.0 Thermally broken:

Width (L) 450-1400 mm

Passivhaus 1.0 reduced reinforcement:

Width (L) 450-1400 mm

Passivhaus 1.0 Thermally broken

Passivhaus 1.0 reduced reinforcement:

Height (H) 450-2400 mm

Balcony passivhaus 1.0:

Width (L) 450-1400 mm

Height (H) 600-2500 mm

Maximum Sash Weight






Window / Balcony: 150 kg

Consult maximum weight and dimensions according to typologies

A 84


Hinged


Hinged system with a 84 mm frame depth and 6 interior chambers with excellent thermal performance, Uw from 0.79 W/m²K, and a great acoustic performance thanks to its glazing capacity of up to 54 mm.


FEATURES		
Transmittance		Uw ≥ 0.79 (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1500
Wind resistance		Class C5


Reference test 1.23 x 1.48 m / 2 sashes

POSSIBILITIES



 SECURITY HARDWARE

 CONCEALED HINGES

 ACCESSIBILITY

 CONCEALED DRAINAGE

OPENING POSSIBILITIES



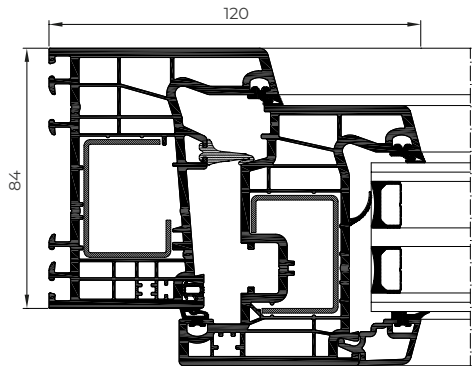
Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Bottom hung

Outward Opening

Side hung (Door)

PVC



Sightlines

Frame 84 mm

Sash 84 mm

Glazing

Max. 54 mm, Min. 4 mm

Maximum Sash Dimensions

Window:

Width (L) 450-1400 mm

Height (H) 450-2400mm

Balcony:

Width (L) 450-1400 mm

Height (H) 600-2500 mm

Door:

Width (L) 700-1300 mm

Height (H) ≤ 2500 mm

Maximum Sash Weight

150 Kg Window / Balcony

160 Kg Door

Aesthetic possibilities:

Sash: Straight

Bead: Straight or curved

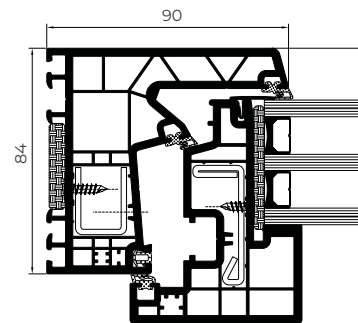
Consult maximum weight and dimensions according to typologies



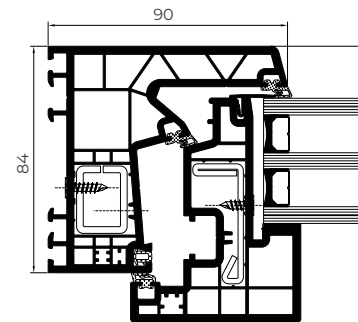
A 84 PASSIVHAUS



A 84 HIDDEN SASH



A 84 Hidden Sash Passivhausvhaus

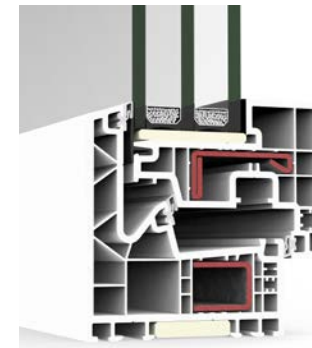


A 84 Hidden Sash

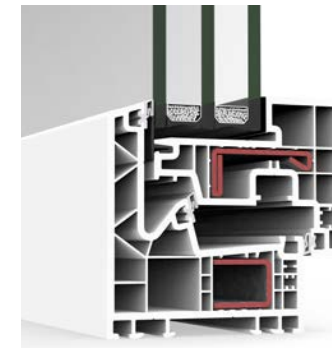
A 84

Hidden Sash Passivhaus

Minimalist window with a lateral sightline of only 90 mm and possibility of reduced central sightline of the same measure. This system with 84 mm of frame depth and 6 interior chambers combines elegant design with excellent thermal performance, in the Passivhaus version certified for the warm-temperate category (U_w from $0.71 \text{ W/m}^2\text{K}$) as well as in the standard version (U_w from $0.74 \text{ W/m}^2\text{K}$).



A 84 Hidden Sash Passivhaus



A 84 Hidden Sash

FEATURES

Transmittance Passivhaus		$U_w \geq 0.71 \text{ (W/m}^2\text{K)}$
Transmittance Standard		$U_w \geq 0.74 \text{ (W/m}^2\text{K)}$
Acoustic insulation		R_w up to 46 dB
Air permeability		Class 4
Water tightness		Class E2250
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes



Sightlines

Frame 84 mm, Sash 84 mm

Glazing

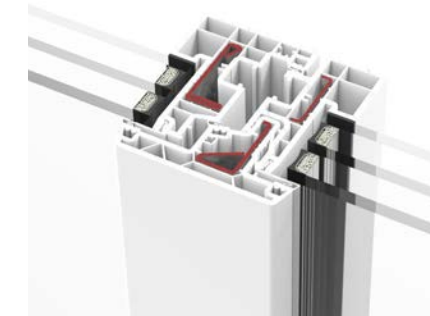
Max. 46.5 mm, Min. 32 mm
Glazing: 46.5 mm (Passivhaus)

Maximum Sash Dimensions

Width (L) 400-1400 mm
Height (H) 450-2500 mm

Maximum Sash Weight

130 Kg Window / Balcony
Consult maximum weight and dimensions according to typologies



Possibility of 90 mm interlock section

POSSIBILITIES



SECURITY
HARDWARE



CONCEALED
HINGES



ACCESSIBILITY
(A 84 HIDDEN SASH)



CONCEALED DRAINAGE
(A 84 HIDDEN SASH)

OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Bottom hung

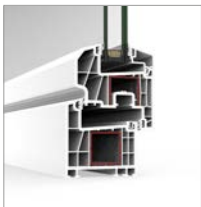
A 70

Hinged

Hinged system with 70 mm of frame depth with a maximum glazing capacity of 42 mm. The 5 interior chambers in the frame and sash allows for great energy efficiency with a transmittance value Uw from 0.9 W/m2K. Possibility of straight, curved or chamfered sashes.



Straight Sash



Chamfered Sash



Curved Sash

Sightlines

Frame 70 mm

Sash 70 / 80 mm

Glazing

Max. 42 mm / Min. 4 mm

Maximum Sash Dimensions

Window:

Width (L) 360 - 1300 mm

Height (H) 450 - 2300 mm

Balcony:

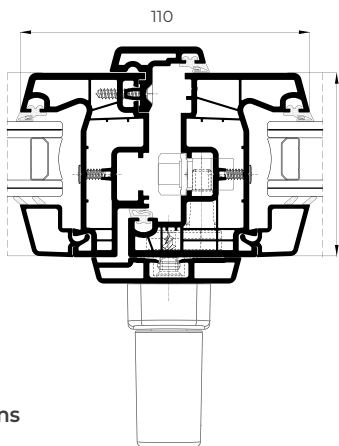
Width (L) 360 - 1300 mm

Height (H) 600 - 2400 mm

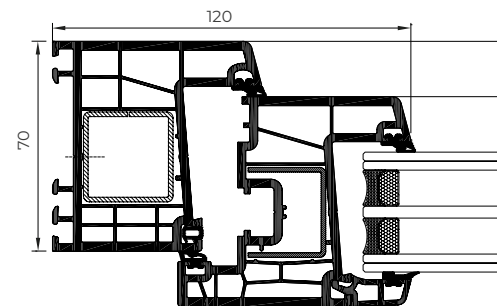
Door:

Width (L) 700 - 1300 mm

Height (H) 600 - 2500 mm



Possibility of
centred handle



Maximum Sash Weight

130 kg Window

130 Kg Balcony

160 Kg Door

Aesthetic possibilities

Sash: Straight, curved or chamfered

Bead: Straight or curved

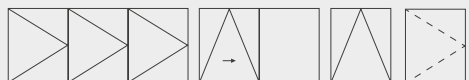
Consult maximum weight and dimensions according to typologies



PVC



OPENING POSSIBILITIES



Outward Opening

Side hung

Top hung

Inward Opening

Side hung

Tilt & turn

Bi-fold

Tilt & parallel

Bottom hung

POSSIBILITIES



SECURITY
HARDWARE



ACCESSIBILITY



CONCEALED
DRAINAGE

FEATURES

Transmittance



Uw ≥ 0.9 (W/m²K)

Acoustic insulation



Rw up to 46 dB

Air permeability



Class 4

Water tightness



Class E1800

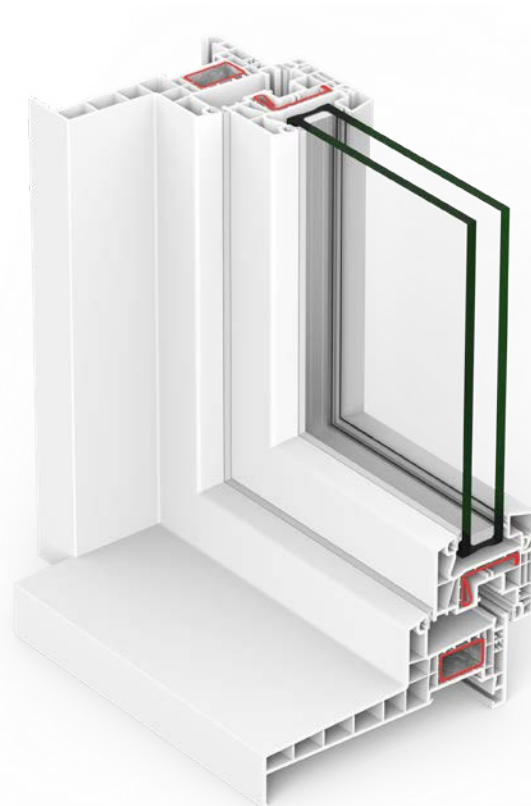
Wind resistance



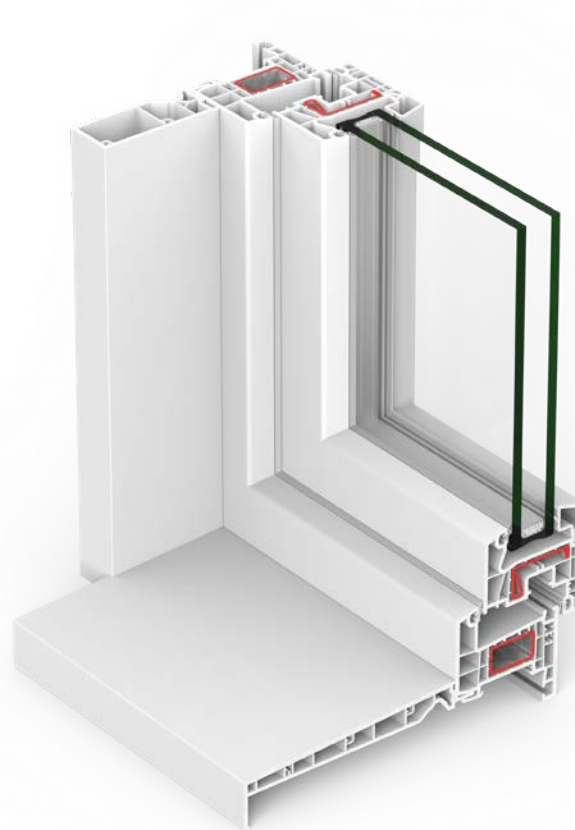
Class C5

Reference test 1.23 x 1.48 m / 2 sashes
CSTB Laboratory DTA Certification

A 70 HINGED



Monoblock



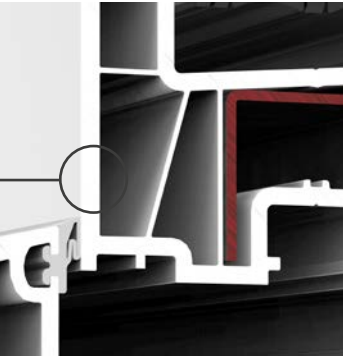
Cap

PVC

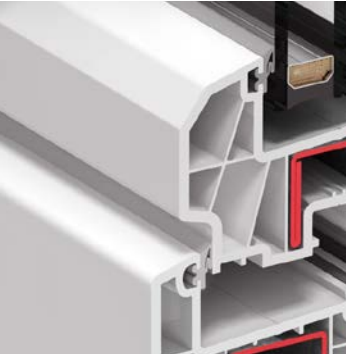


CORTIZO QUALITY PVC

Class A
Main walls thickness:
3 mm



Class S
Climatic zones
7 parts of titanium dioxide.
Maximum resistance to solar incidence



Class II
Impact resistance
Maximum profile hardness

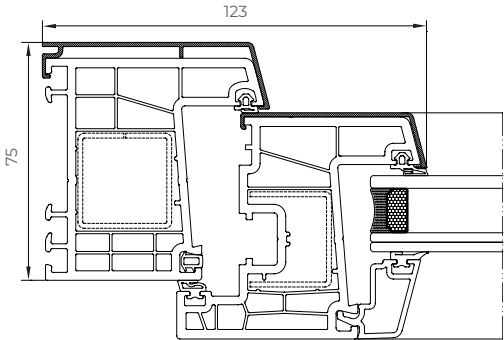
A 70 HINGED



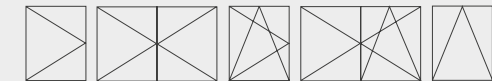
ALCOVER

Mixed window system that multiplies the aesthetic possibilities of the PVC A 70 series, covering the external face of the window with an aluminium profile clipped on the frame and sash, with 45° or 90° profile encounters.

This solution, ideal for rehabilitation, allows the combination of the excellent performance of PVC systems and the great variety of powder-coated and anodized finishes aluminium offers.



OPENING POSSIBILITIES



Inward opening
Side hung
Tilt & turn
Bottom hung

FEATURES

Transmittance		$U_w \geq 0.9 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1800
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

PVC

POSSIBILITIES



Sightlines

Frame 75 mm, Sash 71 mm

Glazing

Max. 42 mm, Min. 18 mm

Maximum Sash Dimensions

Window:

Width (L) 360 - 1300 mm

Height (H) 450 - 2300 mm

Balcony:

Width (L) 360 - 1300 mm

Height (H) 600 - 2400 mm

Maximum Sash Weight

130 kg Window

130 Kg Balcony

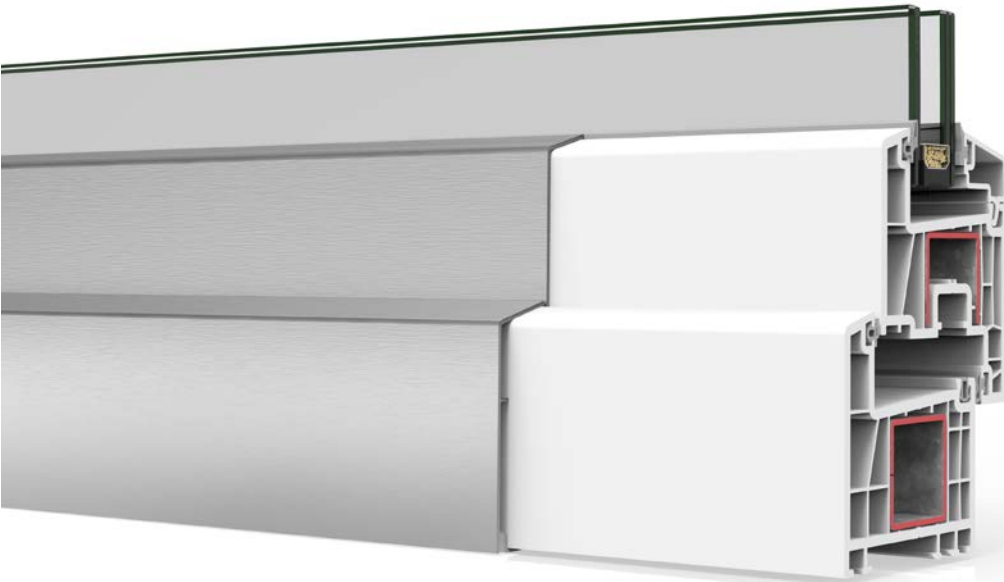
Consult maximum weight and dimensions according to typologies



Alcover 45° profile encounters








Alcover 90° profile encounters



C 70


Sliding


Sliding window and balcony system with 70 mm of frame depth and optimal thermal and acoustic performances. Possibility of minimalist sash with only 30 mm of interlock profile.

FEATURES		
Transmittance		Uw ≥ 1.3 (W/m²K)
Acoustic insulation		Rw up to 38 dB
Air permeability		Class 4
Water tightness		Class 7A
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

POSSIBILITIES

 SECURITY HARDWARE

 ACCESSIBILITY

OPENING POSSIBILITIES

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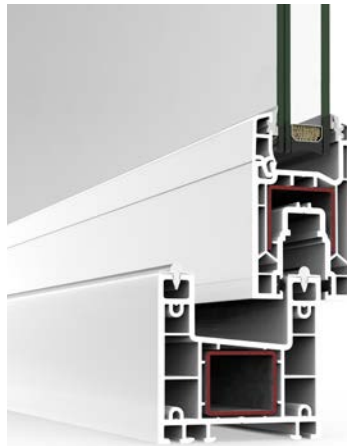
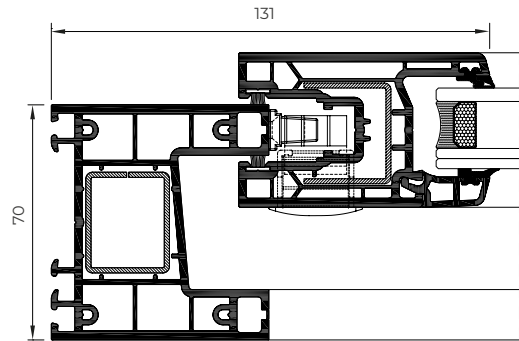
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Sliding

PVC



Sightlines

Frame 70 mm, Sash 46 mm

Glazing

Max. 28 mm, Min. 4 mm

Maximum Sash Dimensions

Window:

Width (L) 1400 mm

Height (H) 1800 mm

Balcony:

Width (L) 1800 mm

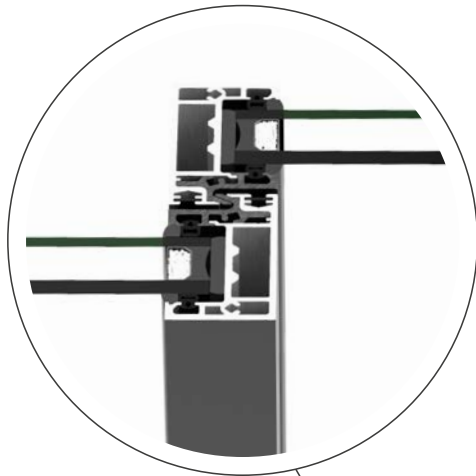
Height (H) 2600 mm

Maximum Sash Weight

70 kg Window

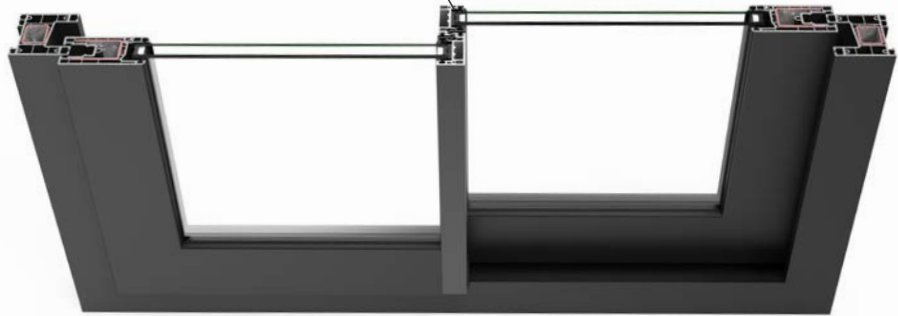
200 Kg Balcony

Consult maximum weight and dimensions according to typologies

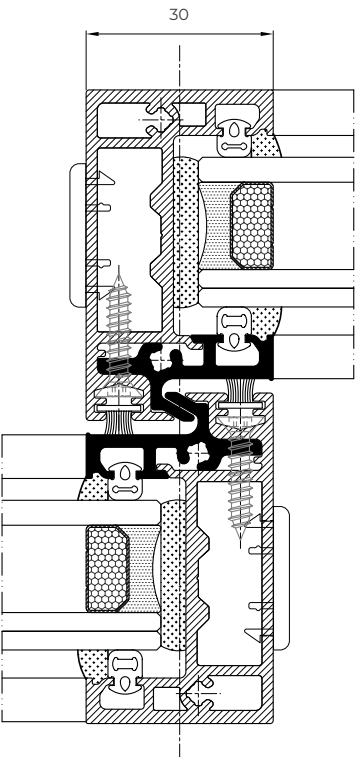


SLIM CENTRAL SECTION

Possibility of slim central section of 30 mm



SLIDING C 70



E 170

Lift & Slide

Designed for large span enclosures with sashes of up to 3 m wide and 2.80 m high. It includes a hardware system that slightly elevates the sash when the handle is operated, facilitating its movement in the opening and closing motions. This system has a frame depth of 170 mm and a maximum glazing capacity of 40 mm, offering remarkable thermal and acoustic performances.

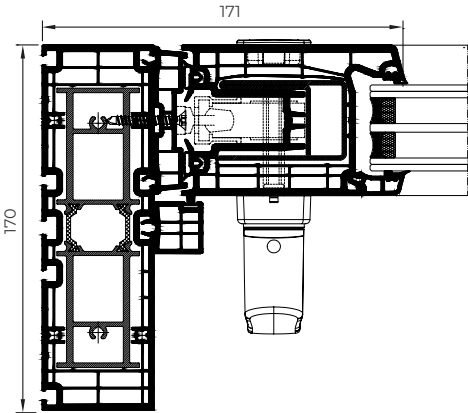


- Sightlines**
Frame 170 mm, Sash 70 mm
- Glazing**
Max. 40 mm, Min. 18 mm
- Maximum Sash Dimensions**
Width (L) 3300 mm, Height (H) 2800 mm
- Maximum Sash Weight**
300 kg
Consult maximum weight and dimensions according to typologies

FEATURES		
Transmittance		Uw ≥ 0.9 (W/m²K)
Acoustic insulation		Rw up to 42 dB
Air permeability		Class 4
Water tightness		Class 7A

Reference test 3.5 x 2.5 m / 1 sash + 1 fixed light

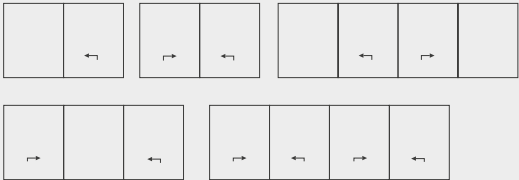
PVC



POSSIBILITIES



OPENING POSSIBILITIES



Lift & slide system of 1, 2 and 4 sashes

E 170 LIFT & SLIDE

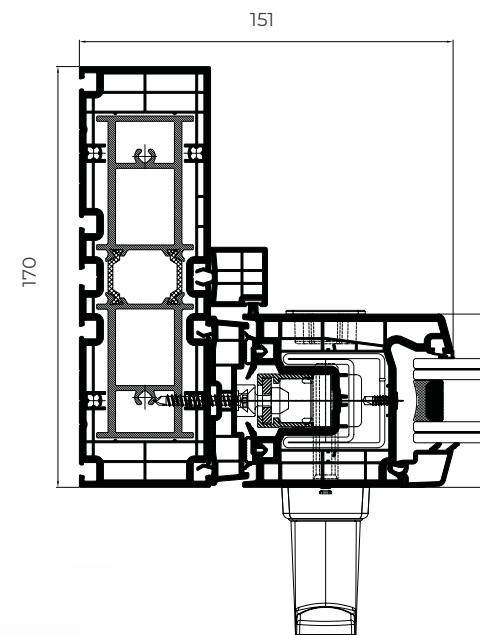


E 170

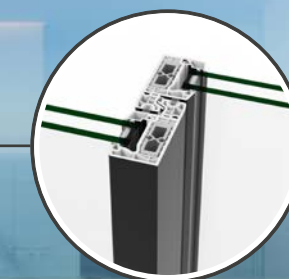
Lift & Slide

Designed for large span enclosures, this series evolves in its design towards a minimalist aesthetic where the perimeter sightline of the sash has been reduced and it features an interlock of only 50 mm. Additionally, it incorporates new solutions, such as the PRM threshold to facilitate accessibility, and the water collection channel for terraces.

PVC



E 170 LIFT & SLIDE






REDUCED INTERLOCK
50 mm

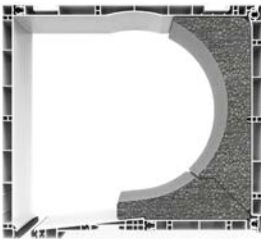
CORTIZO ISOLATION

Roller Shutter Box

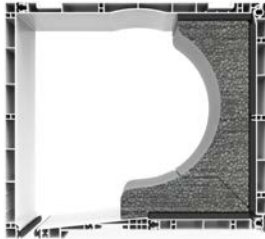
This system, exclusive to all CORTIZO PVC series, offers the best thermal insulation in the market with a transmittance value U_{sb} from $0.66\text{ W/m}^2\text{K}$, rounding off the catalogue of enclosure systems for zero-energy buildings. Additionally, it offers excellent acoustic performance with a noise attenuation of up to 44 db, and an elegant design with maximum quality materials and accessories.

FEATURES		
Air permeability		Class 4
Water tightness		Class E2400
Wind resistance		Class 3000 Pa (P3)

Reference test 200 x 230 mm (height x depth) and 1230 mm length
Reference test 160 x 180 mm (height x depth) and 1230 mm length



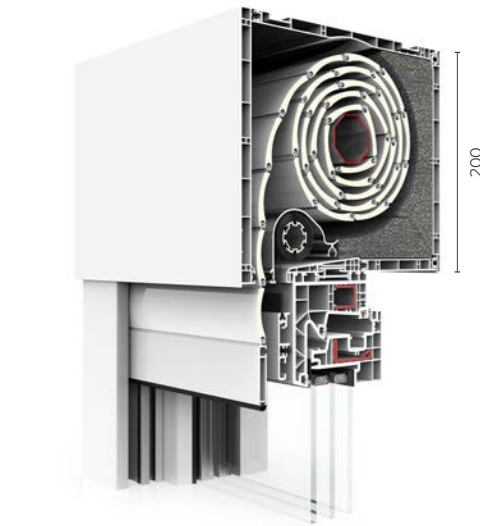
Thermal insulation





Thermal-acoustic insulation

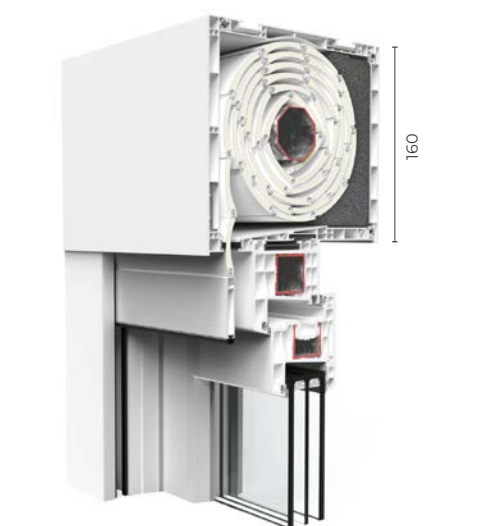




Lateral Connection Link Rod
Longitudinal Stability



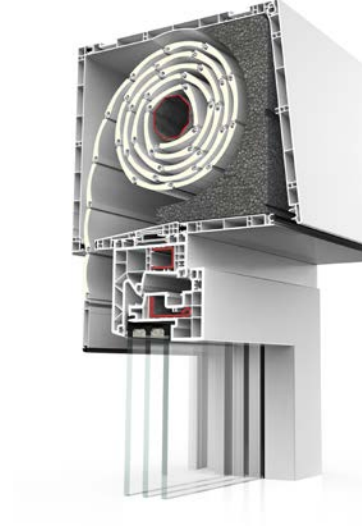
ROLLER SHUTTER BOX 200 mm		
Transmittance		$U_{sb} \geq 0.66\text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 44 dB

Reference test 200 x 230 mm (height x depth) and 1230 mm length



ROLLER SHUTTER BOX 160 mm		
Transmittance		$U_{sb} \geq 0.97\text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 47 dB

Reference test 160 x 180 mm (height x depth) and 1230 mm length



Frontal Register



Bottom Register

Register options (roller shutter box 200 mm) Frontal, Bottom
Register options (roller shutter box 160 mm) Frontal

Maximum dimensions (roller shutter box 200 mm)
Width (L) 2400 mm (3800 mm with divider)
Height (H) 2600 mm (2800 mm with centred side frame)

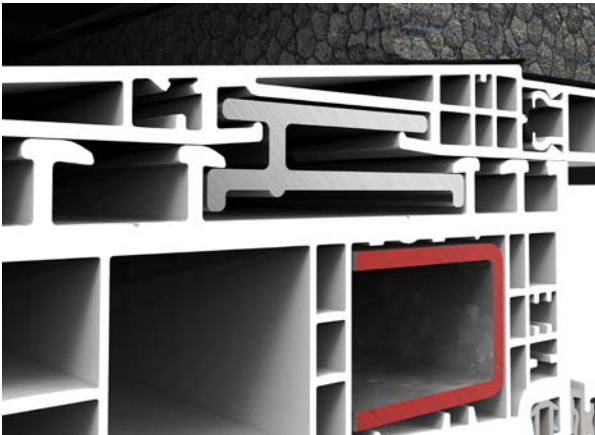
Maximum dimensions (roller shutter box 160 mm)
Width (L) 2400 mm (3800 mm with divider)
Height (H) 1710 mm

Versatility
Possibility of using roller shutters with profiled, extrusion, or self-locking extrusion louvres.
Possibility of motorised or manual roller shutters activated by belt or cardan.
Possibility of integrated mosquito net.

Check maximum weight and dimensions according to typologies



Profile junction
Provided with a hidden sealing gasket
Registered and exclusive water-tightness system ®

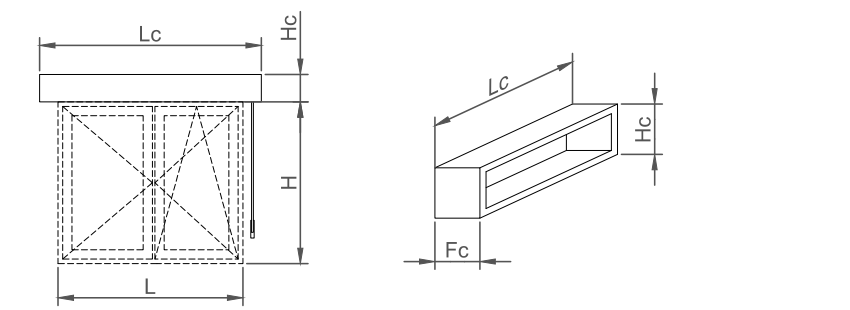


Connection profile in aluminium
Longitudinal Stability

CASSONETTO

Renovation Shutter Box

Cortizo Cassonetto renovation shutter box, consisting of PVC-U finishing profiles and specific panels for the access cover, has been designed to improve the integration of roller shutter systems with the window in renovation and new construction projects.



RENOVATION SHUTTER BOX LIMITS (mm)	Lc (min)	Lc (max)	Fc (max)	Hc (max)
Renovation shutter box with louvre (Ref.: 1480-1)	600	3600	300	300
Renovation shutter box with PS24 sandwich panel	600	3600	300	500
Renovation shutter box with P10 solid panel	600	3600	300	500



contemporary
enclosures



façade systems