

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.



_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

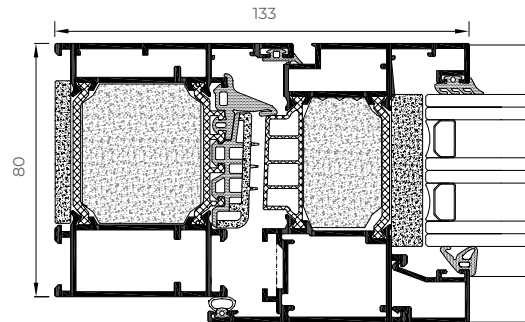
COR 80

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
Tilt & parallel
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		$U_w \geq 0.8 \text{ (W/m}^2\text{K)}$
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

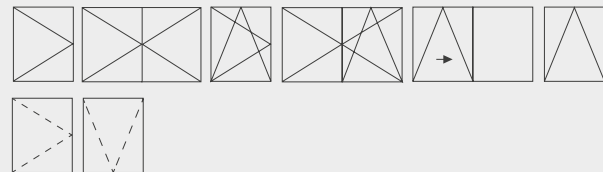


CONCEALED
DRAINAGE



ACCESSIBILITY

OPENING POSSIBILITIES

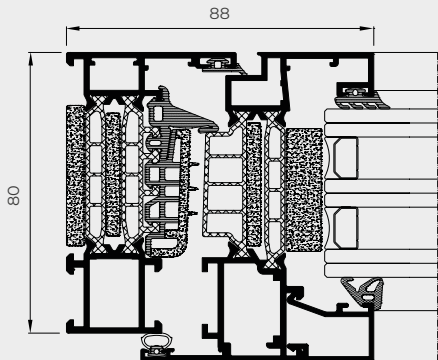


Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Tilt only

Outward Opening

Side hung
Top hung



European Groove
Thermally broken





COR 80 INDUSTRIAL



CORTIZO MINIMALIST HANDLE

Simple lines, avant-garde design

Straight aesthetic

Design without escutcheon

Applicable to all European-Groove hinged series,
C16 series and PVC

Specific transmission box (In European-Groove)

Hidden screws

8 mm spindle (In European-Groove)

Dimensions 32 x 148 mm

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		$Uw \geq 0.8$ (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

European Groove
Thermally broken



First **invisible handle** on the market



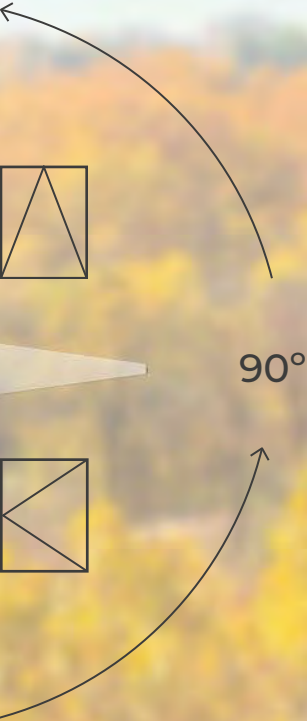
Solution for hidden sash systems **COR 80 HS, COR 70 HS and COR 70 OC**

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

COR 70

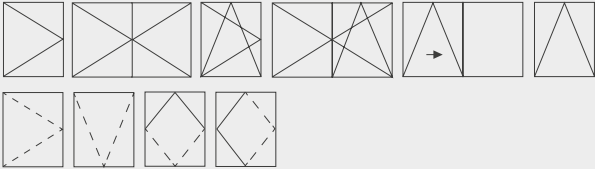
Industrial

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 ≥ 0.9 (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)
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

OPENING POSSIBILITIES



Inward Opening




Side hung
Tilt & turn
Tilt & parallel
Tily only

Outward Opening


Side hung
Top hung
Pivoting on horizontal or vertical axis





* Concealed drainage solution




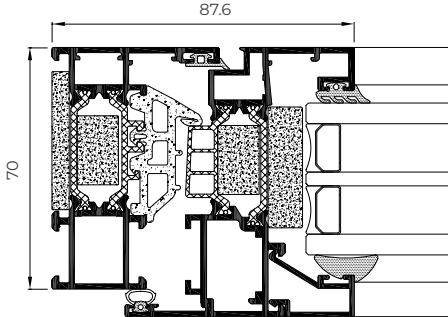
POSSIBILITIES

 SECURITY HARDWARE

 CONCEALED HINGES

 ACCESSIBILITY

 CONCEALED DRAINAGE



European Groove
Thermally broken



COR 70 INDUSTRIAL



Sightlines
Frame 70 mm, Sash 78 mm

Polyamide Strip Length
From 32 - 35 mm

Profile Thickness
Window 1.5 mm
Door 1.7 mm

Glazing
Max. 63 mm, Min. 6 mm

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

Maximum Sash Weight
160 kg







Aesthetic possibilities:
Sash: Straight / Glazing bead: Straight or curved

Consult maximum weight and dimensions according to typologies

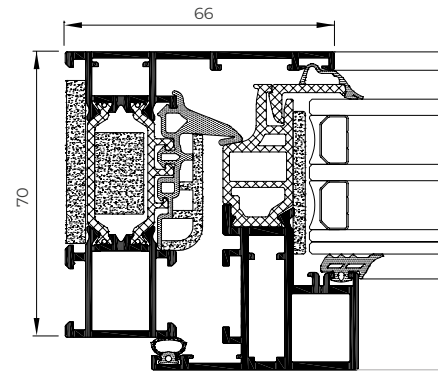
COR 70

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		$Uw \geq 1.0$ (W/m²K)
Acoustic insulation		Rw up to 46 dB
Air permeability		Class 4
Water tightness		Class E1650
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



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

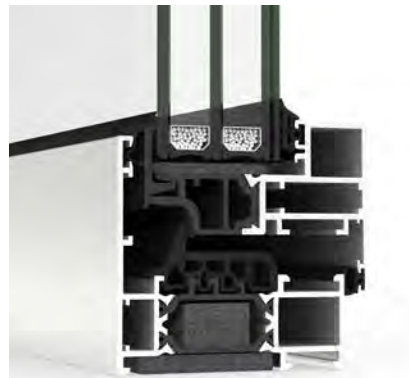
Standard solution:
Width (L) 1300 mm, Height (H) 2400 mm

HD Hardware (Side Hung):
Width (L) 1200 mm, Height (H) 3500 mm

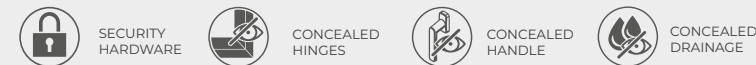
Maximum Sash Weight
160 kg

Consult maximum weight and dimensions according to typologies

European Groove
Thermally broken



POSSIBILITIES



OPENING POSSIBILITIES

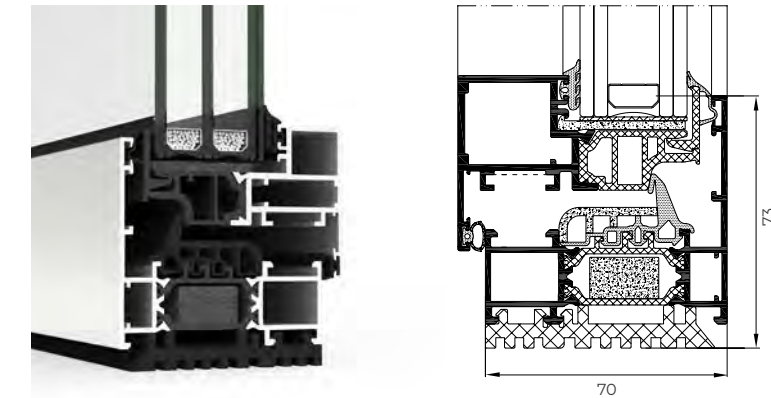


Inward Opening
Side hung
Tilt & turn
Tilt only



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 ≥ 1.0 (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

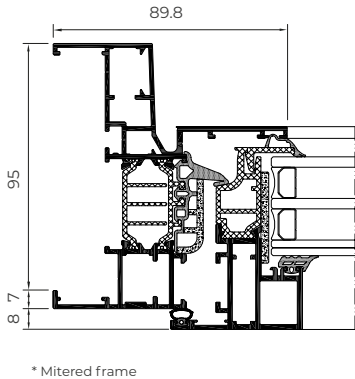
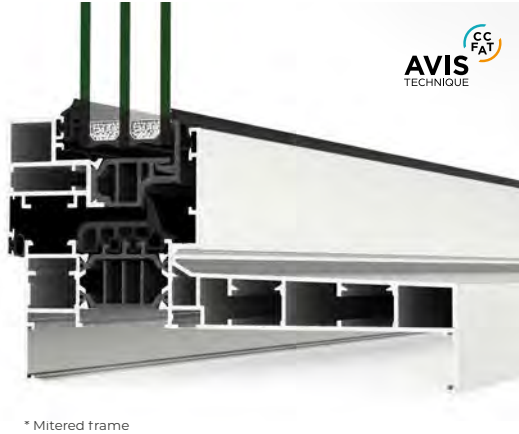
OPENING POSSIBILITIES



Inward Opening
Side hung
Tilt & turn
Tilt only

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



European Groove
Thermally broken




COR 70
OC Half - Hidden sash


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 ≥ 1.0 (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

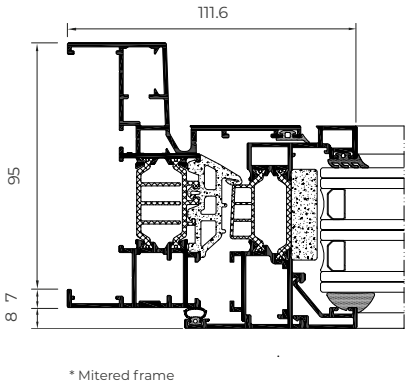
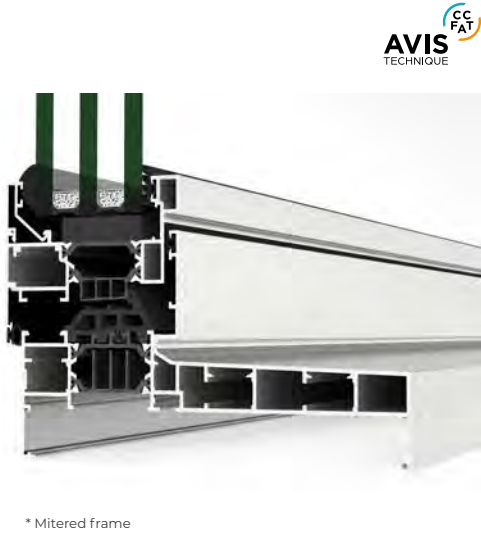
OPENING POSSIBILITIES



Inward Opening
Side hung
Tilt & turn
Tilt only

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



European Groove
Thermally broken



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








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.



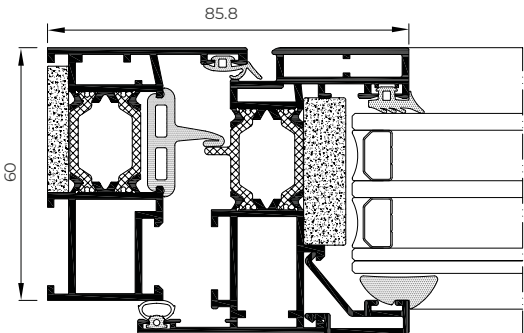
- Sightlines**
Frame 60 mm, Sash 68 mm
- Polyamide Strip Length**
24 mm
- Profile Thickness**
Window 1.6 mm
Door 1.6 mm
- Glazing**
Max. 46 mm, Min. 5 mm
- Maximum Sash Dimensions**
Width (L) 1500 mm, Height (H) 2600 mm
- Maximum Sash Weight**
160 kg

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

FEATURES		
Transmittance		$Uw \geq 1.0 \text{ (W/m}^2\text{K)}$
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

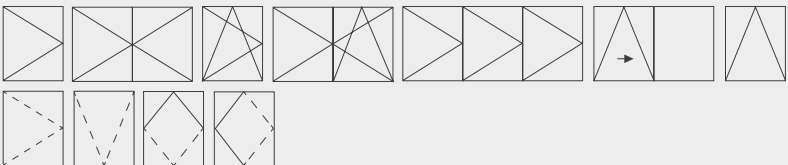
European Groove
Thermally broken



POSSIBILITIES



OPENING POSSIBILITIES



Inward Opening

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

Outward Opening

Side hung
Top hung
Pivoting on horizontal or vertical axis.

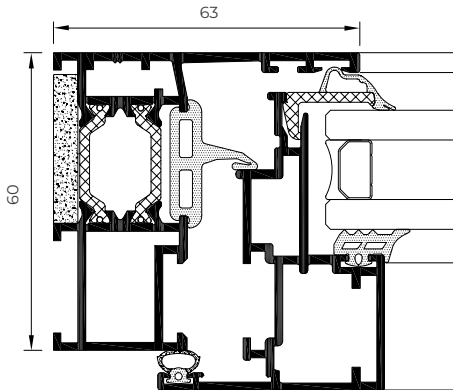


COR 60

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

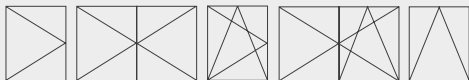


SECURITY
HARDWARE



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 W/m²K, 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:

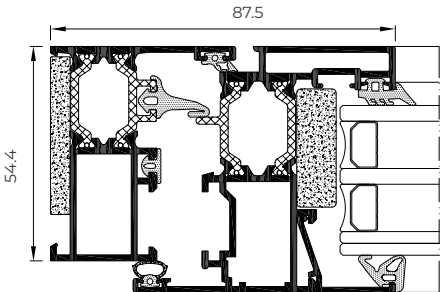
Sash: Straight or curved
Glazing Bead: Straight or curved

FEATURES

Transmittance		$U_w \geq 1.0 \text{ (W/m}^2\text{K)}$
Acoustic insulation		Rw up to 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

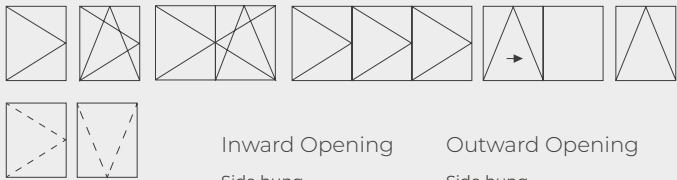


CONCEALED
HINGES



ACCESSIBILITY

OPENING POSSIBILITIES



Inward Opening

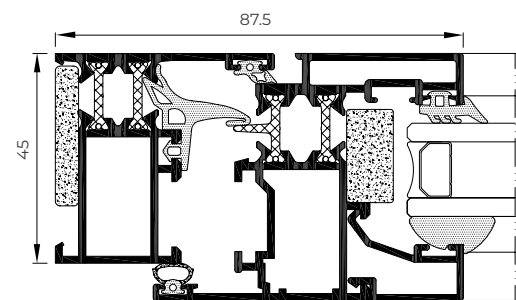
Side hung
Tilt & turn
Bi-fold
Tilt & parallel
Bottom hung

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.



POSSIBILITIES

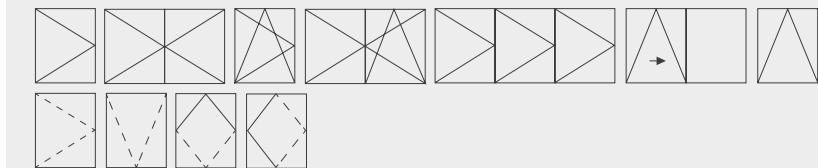


Sightlines
Frame 45 mm, Sash 53 mm
Polyamide Strip Length
14.6 mm
Profile Thickness
Window 1.5 mm
Door 1.7 mm
Glazing
Max. 31 mm, Min. 3 mm
Maximum Sash Dimensions
Width (L) 1500 mm, Height (H) 2400 mm
Maximum Sash Weight
120 kg
Consult maximum weight and dimensions according to typologies

Aesthetic possibilities:

Sash: Straight or curved
Glazing Bead: Straight or curved

OPENING POSSIBILITIES



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

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

FEATURES

Transmittance		$U_w \geq 1.3 \text{ (W/m}^2\text{K)}$
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






European Groove
Thermally broken



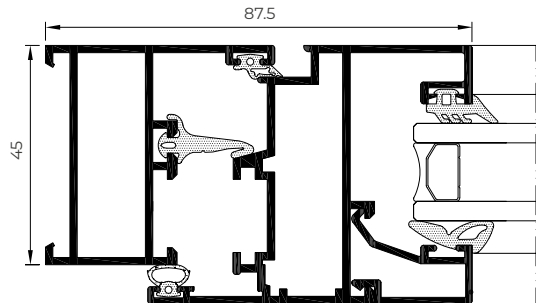
COR 3000

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

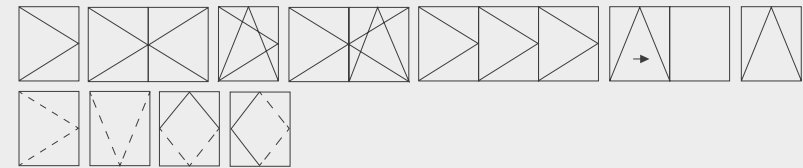
Reference test 1.20 x 1.18 m / 2 sashes



POSSIBILITIES



OPENING POSSIBILITIES



Inward opening

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

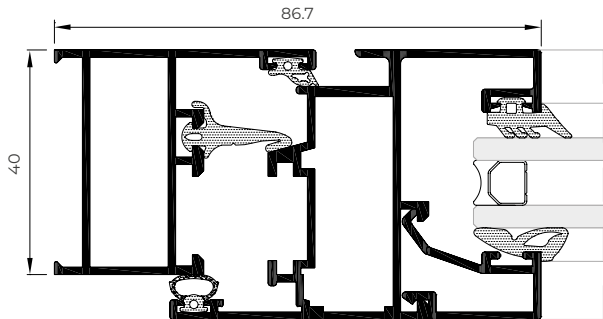
Sash: Straight or curved
Glazing Bead: Straight or curved

European
Groove



COR
2300

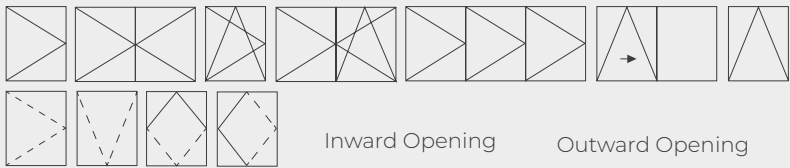
Hinged system with a frame depth of 40 mm and a reduced profile thickness.



POSSIBILITIES



OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Bi-fold
Tilt & parallel
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



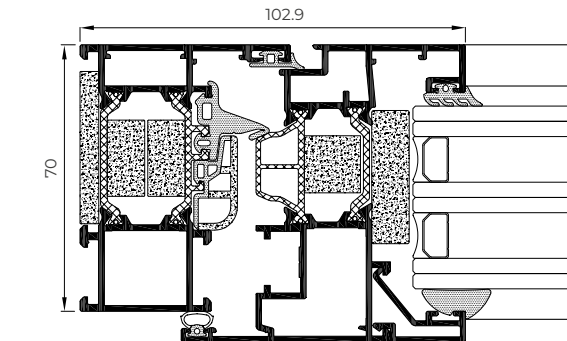
COR 70

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

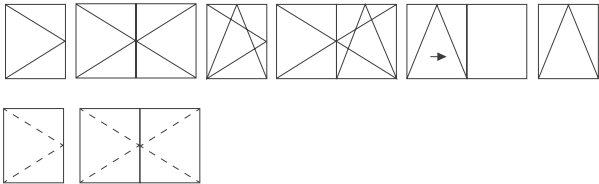
Reference test 1.23 x 1.48 m / 2 sashes
CSTB Laboratory DTA Certification



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



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 Hidden Sash		$U_w \geq 1,0$ (W/m²K)
Transmitancia Half Hidden Sash		$U_w \geq 0,9$ (W/m²K)
Acoustic insulation		Rw up to 43 dB
Air permeability		Class 4
Water tightness Hidden Sash		Class E1200
Water tightness Half Hidden Sash		Class E1500
Wind resistance		Class C5

Reference test 1.23 x 1.48 m / 2 sashes

POSSIBILITIES

SECURITY HARDWARE

CONCEALED HINGES

CONCEALED HANDLE

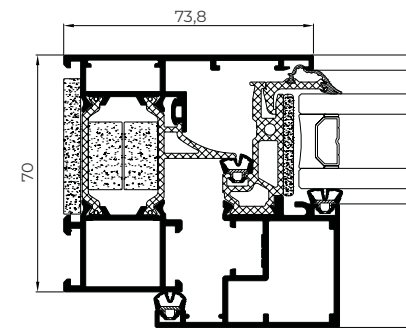
OPENING POSSIBILITIES

Inward Opening

Side hung

Tilt & turn

Tilt only



Hidden Sash

Sightlines

Frame 70 - 232 mm
Sash 72,5 - 80,5 mm

Glazing

36 mm

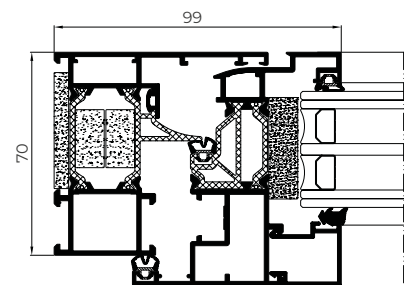
Maximum Sash Dimensions

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

Maximum Sash Weight

150 kg

Consult maximum weight and dimensions according to typologies



Half Hidden Sash

Sightlines

Frame 70 - 232 mm
Sash 80,5 - 88,5 mm

Glazing

63 mm

Maximum Sash Dimensions

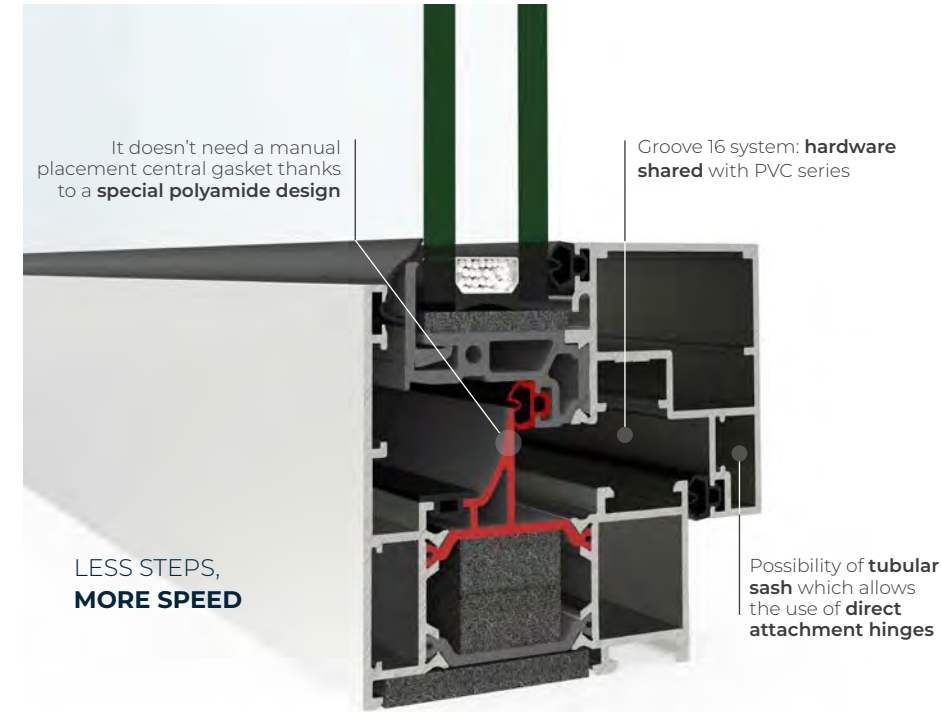
Width (L) 1500 mm
Height (H) 2600 mm

Maximum Sash Weight

150 kg

Consult maximum weight and dimensions according to typologies

16 Grooven
Thermally broken



MANUAL GLAZING GASKETS AVAILABLE



Glazing gasket
6.5 mm



Glazing gasket
8.5 mm



Glazing gasket
2.5 mm



Glazing gasket
4.5 mm

POSSIBILITY OF PROVIDING PREASSEMBLED GASKETS

Gaskets available in black and grey



COR 70

Evolution



aesthetic possibilities



16 Grooven
Thermally broken



Hidden sash



Half - Hidden sash



Perimeter
Monoblock frame



Straight cut
Monoblock frame

COR 70

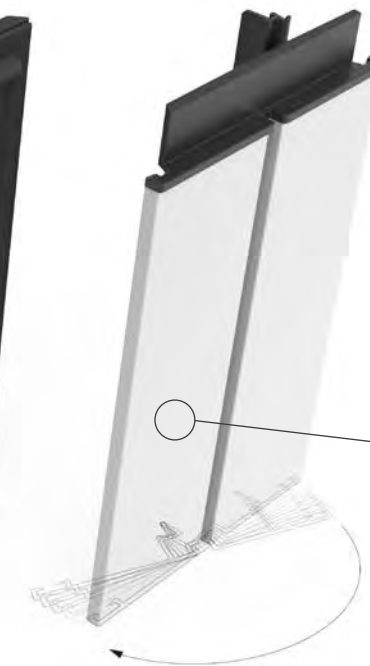
Evolution



Covers available
in black or white



ASSEMBLING **CLEATS**
In order to speed the assembly up



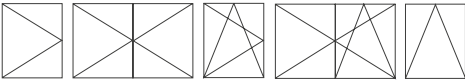
NEW **FLOATING MULLION**
Floating mullion profile in two parts in order to **facilitate the on-site glazing** without the need to take the profile and hardware apart

COR 70

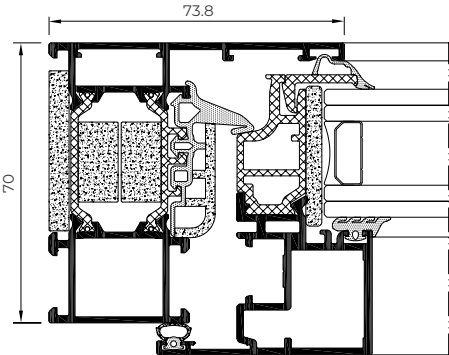
Hidden Sash C16 ST

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

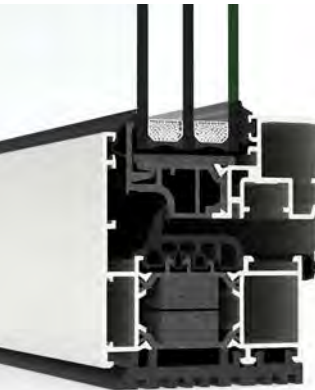


CONCEALED
DRAINAGE

FEATURES

Transmittance		$U_w \geq 1.0$ (W/m ² 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

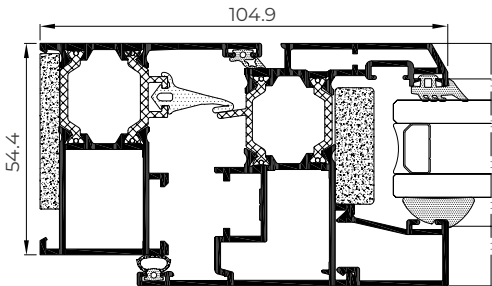
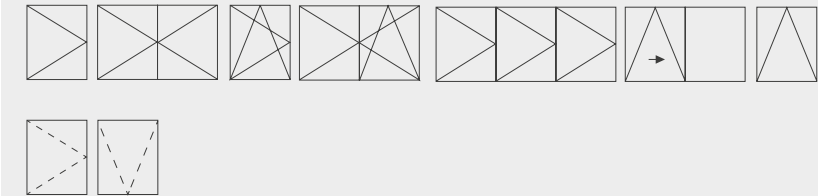
 CONCEALED
HINGES

 ACCESSIBILITY

FEATURES		
Transmittance		$Uw \geq 1.2$ (W/m²K)
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



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

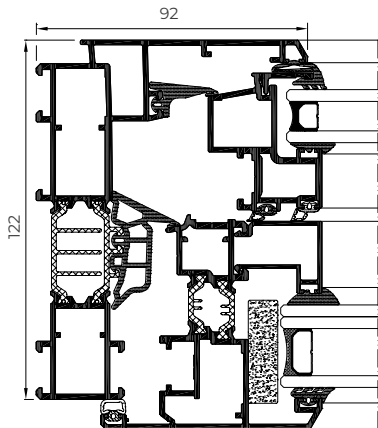
Maximum Sash Weight
120 kg

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

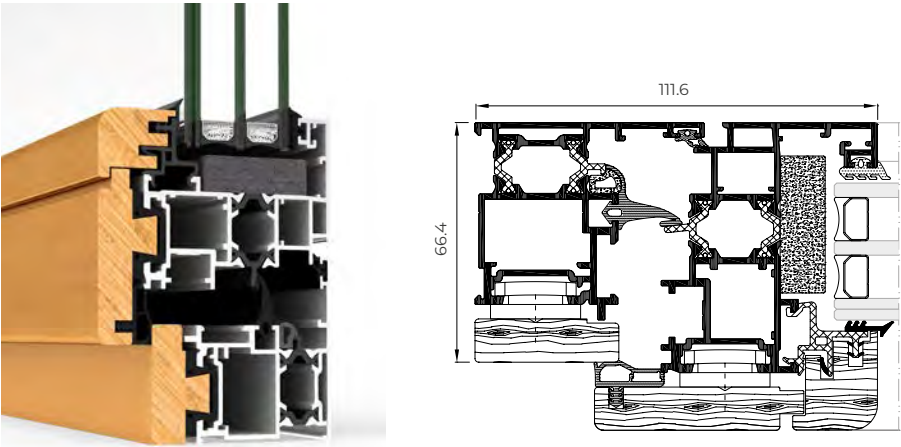


COR URBAN C16

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		$U_w \geq 1.1$ (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 1.438 x 1.33 m / 1 sash + 1 fixed light
Security test: Reference test 1.438 x 1.33 m / 1 sash

POSSIBILITIES

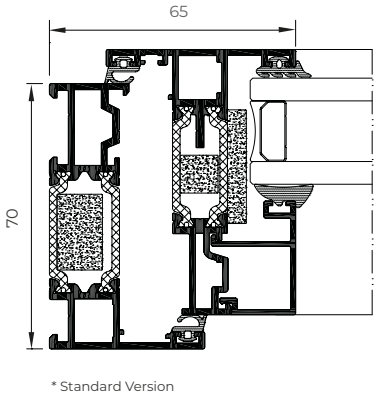
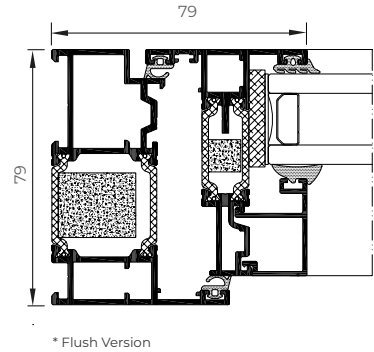
 SECURITY HARDWARE

 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

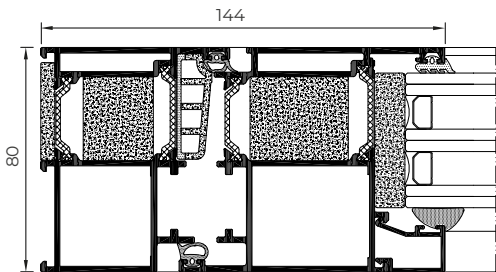










CASEMENT

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



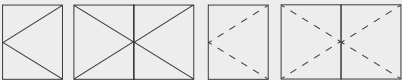
POSSIBILITIES

 CONCEALED HINGES

 ACCESSIBILITY

 AUTOMATION

OPENING POSSIBILITIES



Inward Opening


Side hung

Outward opening

Side hung

Automatic Opening

Inward and outward side hung



AUT.

AUT.

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:

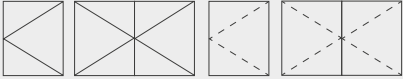
Width (L) 1500 mm, Height (H) 3000 mm

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

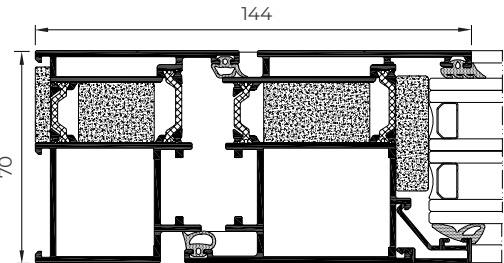










AUT.

AUT.

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.



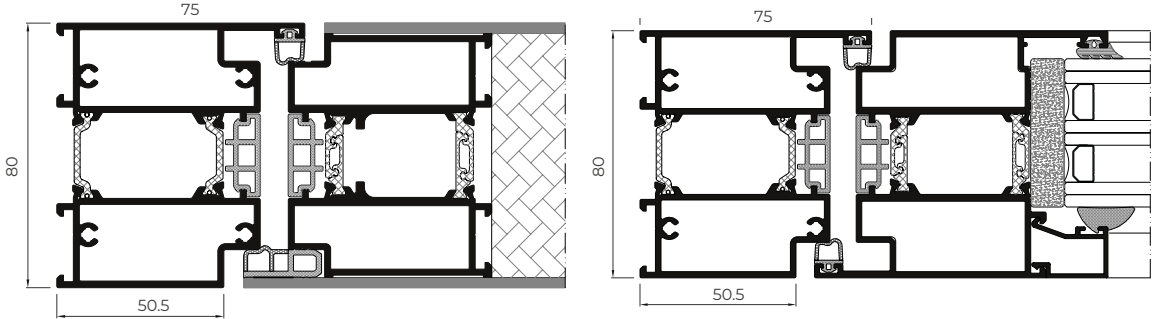
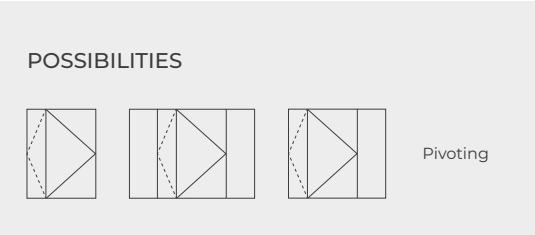
Paneled version



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

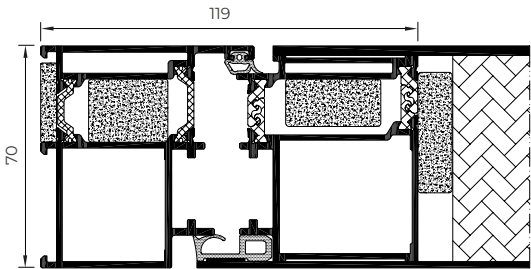
250 kg

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)

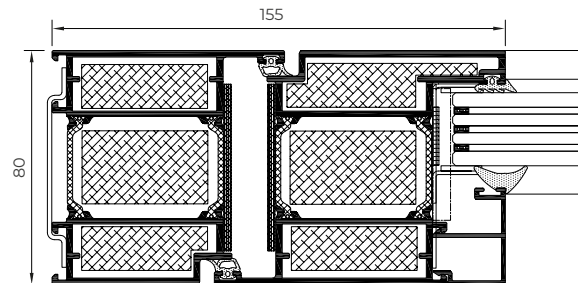
Consult maximum weight and dimensions according to typologies



Millennium FR

DOOR

Aluminium fire door system with fire resistance category EI₂60 in order to meet safety requirements in the event of fire, allowing the compartmentalisation by building areas and facilitating the evacuation of the users. It offers a fire resistance period of 60 minutes thanks to the use of non-combustible retardant insulation materials in the profile chambers and intumescent gaskets.



FEATURES		
Transmittance		Uw ≥ 1.4 (W/m²K)
Acoustic insulation		Rw up to 38 dB
Fire resistance and smoke control		Class EI ₂ 60-C5

Classification according to standard UNE-EN 13501-2+A1 (C5=200.000 test cycles)
Reference test 1.35 x 2.35 m / 1 sash. Class EI60 single glazed 23 to 25 mm.



- Sightlines**
Frame 80 mm, Sash 80 mm
- Polyamide Strip Length**
35 mm
- Profile Thickness**
Door 2.2 mm
- Glazing**
Max. 48 mm, Min. 15 mm
- Maximum Sash Dimensions**
Width (L) 1450 mm, Height (H) 2600 mm
- Maximum Sash Weight**
240 kg

Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES

Inward opening
Side hung
Outward Opening
Side hung

Doors

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

Doors

POSSIBILITIES

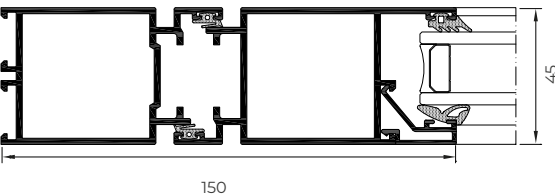


ACCESSIBILITY

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

FEATURES		
Transmittance		Uw ≥ 2.3 (W/m²K)
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 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

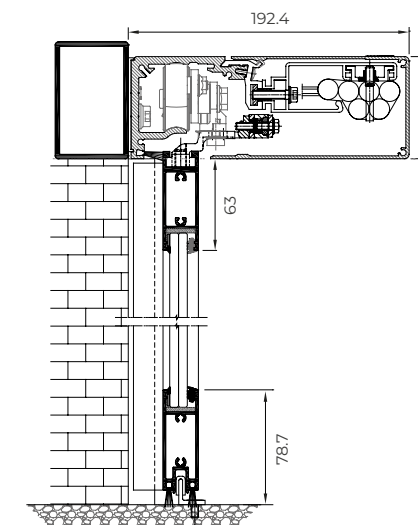
Maximum Sash Dimensions

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 plus

DOOR

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 ≥ 0.8 (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		PAS24 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

Inward

Up to 14 sashes

Outward

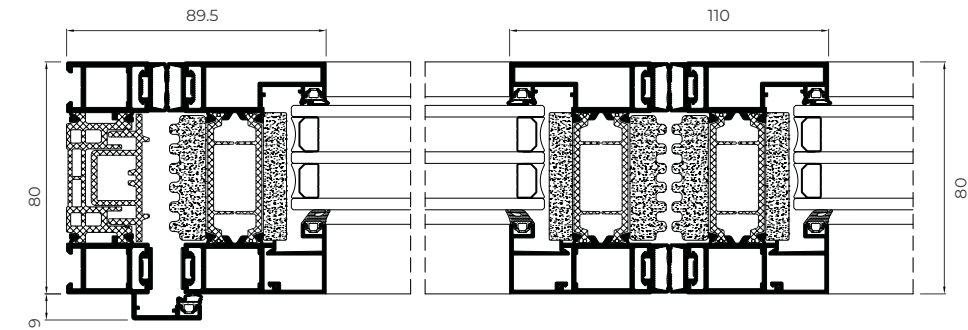
Up to 14 sashes

90° corner sash without mullion

POSSIBILITIES

SECURITY
HARDWARE

ACCESSIBILITY



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



Doors









BI - FOLD PLUS

Monumental Bi-fold

DOOR

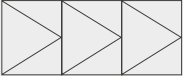
The new Bi-Fold Monumental door hits the market in order to complete the CORTIZO catalogue of XL systems. Thanks to its large dimensions, we will be able to manufacture sashes up to 5 m high and 1.2 m wide. In addition, the Monumental Bi-fold has proved its great performance against the most extreme meteorological phenomena, and has successfully overcome the tests ASTM E1886-19 and ASTM E1996-17 against hurricanes and structural impacts.

FEATURES		
Transmittance		Uw ≥ 1.1 (W/m²K)
Air permeability		Passed
Water tightness		DP 60
Wind resistance		DP 40
Structural Overload		DP 40
Hurricane impact		Passed


Air permeability test at a 75 Pa (ASTM E283-04 (2012))
Water-tightness test (ASTM E547-00 (2016))
Wind resistance test – uniform load deflection at design pressure (ASTM E330-14)
Uniform load structural overload test (OL) at 1.5 design pressure (ASTM E330-14)
Hurricanes impact and structural cycling test: Large missile (missile D) per wind zone 3 and air pressure cycling at DP40 positive / negative (ASTM E1886-19 and ASTM E1996-17)
Reference test 3.66 x 3.71 m, 3 sashes

OPENING POSSIBILITIES

From 1 to 14 sashes



POSSIBILITIES



SECURITY
HARDWARE

Sightlines

Frame 73 mm, Sash 73 mm

Profile Thickness

Door 1.8 mm

Glazing

Max. 45 mm, Min. 25 mm

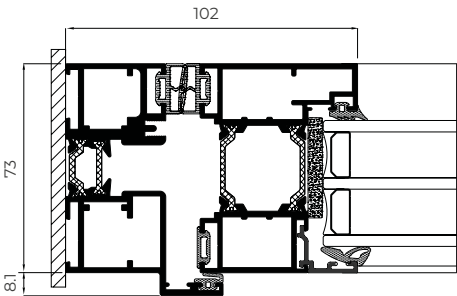
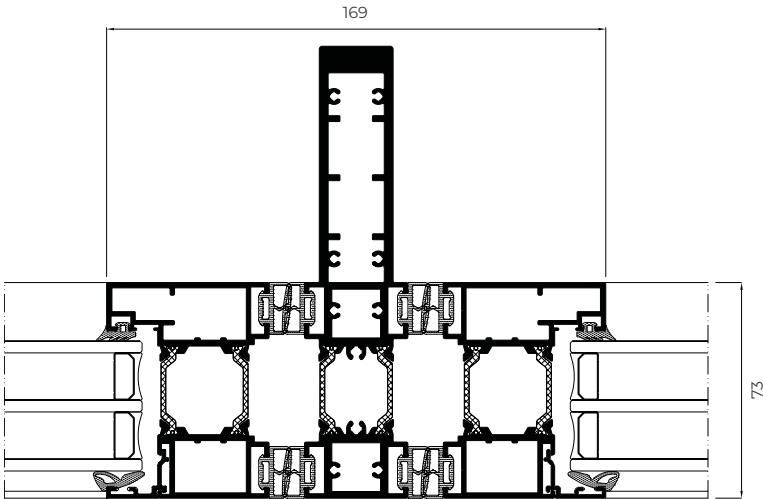
Maximum Sash Dimensions

Width (L) 1200 mm, Height (H) 5000 mm

Maximum Sash Weight

220 kg

Consult maximum weight and dimensions according to typologies








Doors



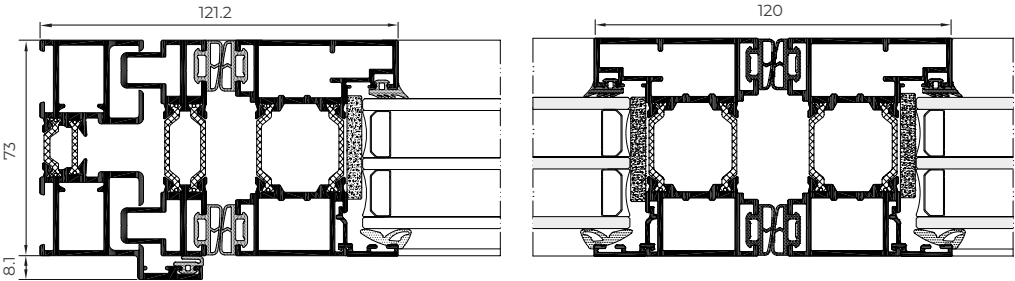
Bi-fold

DOOR

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

FEATURES		
Transmittance		Uw ≥ 1.1 (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



Inward
From 1 to 14 sashes

Outward

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

POSSIBILITIES



SECURITY
HARDWARE



ACCESSIBILITY

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 typologies








Doors



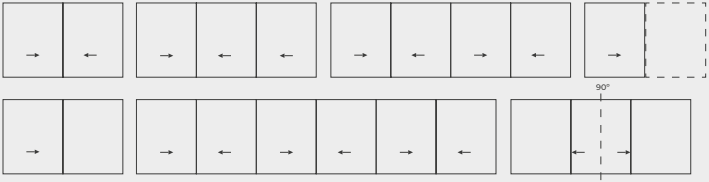
COR VISION

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

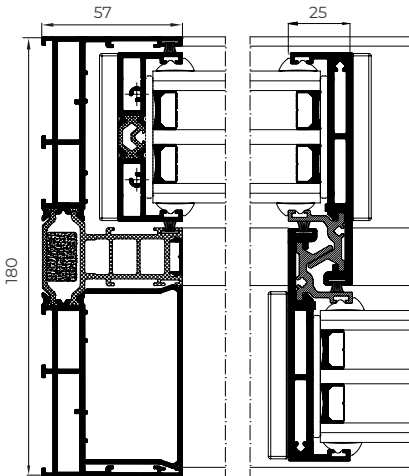
Possibility of interior and exterior corner sash at 90° without mullion

Pocket possibility

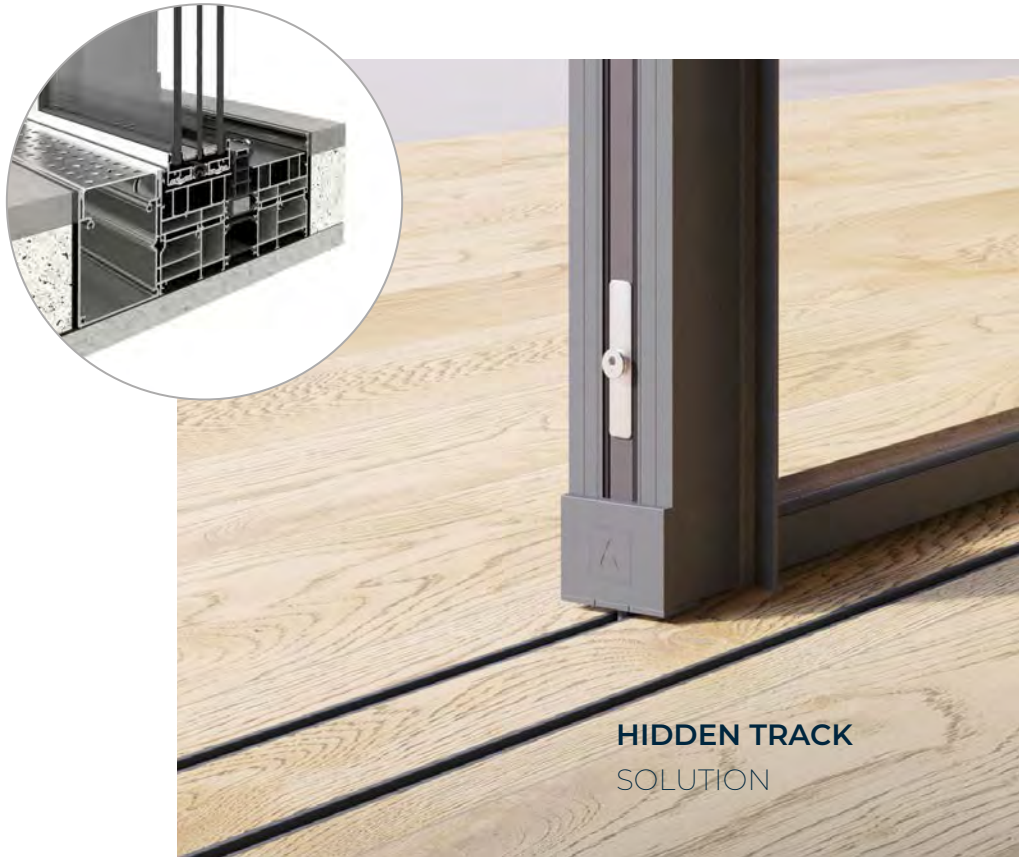
Sliding
Thermally broken



- 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



HIDDEN TRACK
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



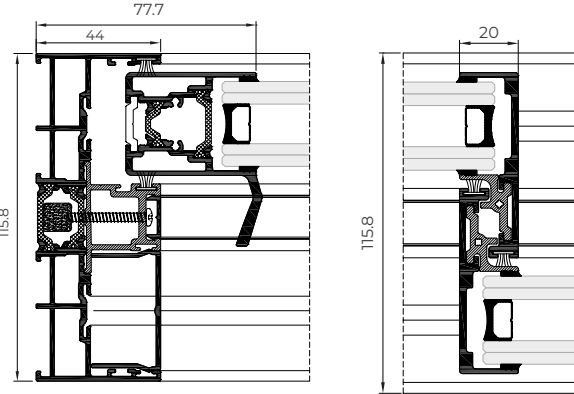
COR VISION PLUS

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

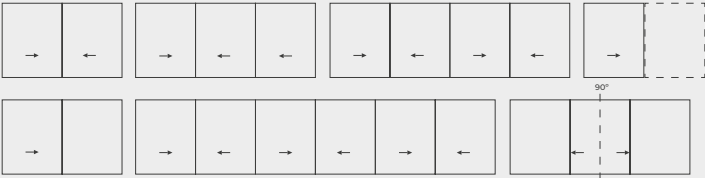
Consult maximum weight and dimensions according to typologies

POSSIBILITIES



ACCESSIBILITY

OPENING POSSIBILITIES



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

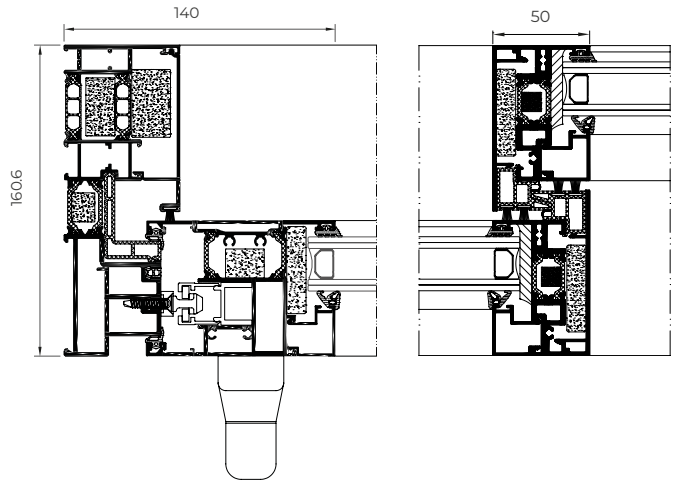
COR VISION








4600 HI

Lift & Slide

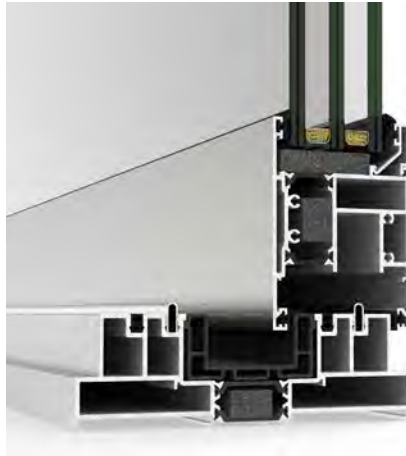
Ideal solution to close large spans, offering excellent thermal (Uw from 0.9 W/m²K) and acoustic (Rw up to 43 dB) performance along with a modern design with straight aesthetics in the sashes and glazing beads. It includes a hardware system that slightly elevates the sash when the handle is operated, facilitating its movement in the opening and closing motions, even in the case of sashes with large dimensions and weight. Possibility of a reduced interlock sightline of 50 mm.



FEATURES		
Transmittance		Uw ≥ 0.9 (W/m²K)
Acoustic insulation		Rw up to 43 dB
Air permeability		Class 4
Water tightness		Class 9A
Wind resistance		Class C5

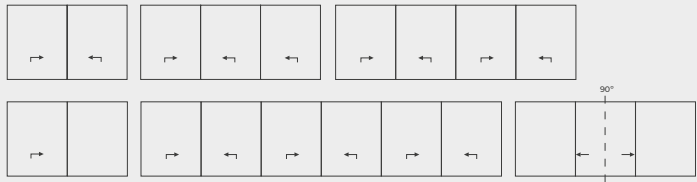
Reference test 4.0 x 2.4 m / 2 sashes

Sliding
Thermally broken



Sightlines
Frame 160.6 mm / 251 mm 3 rails,
Sash 70 mm
Polyamide Strip Length
Frame 35 mm
Sash 24 mm
Profile Thickness
Door 2.0 mm
Glazing
Max. 55 mm, Min. 15 mm
Maximum Sash Dimensions
Width (L) 3300 mm, Height (H) 3300 mm
Maximum Sash Weight
400 kg
Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES

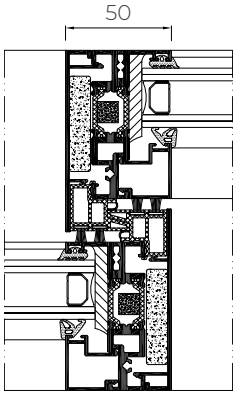


Lift & Slide
1 rail (sash + fixed light), 2 and 3 rails
Possibility of 90° opening without mullion



SLIM INTERLOCK

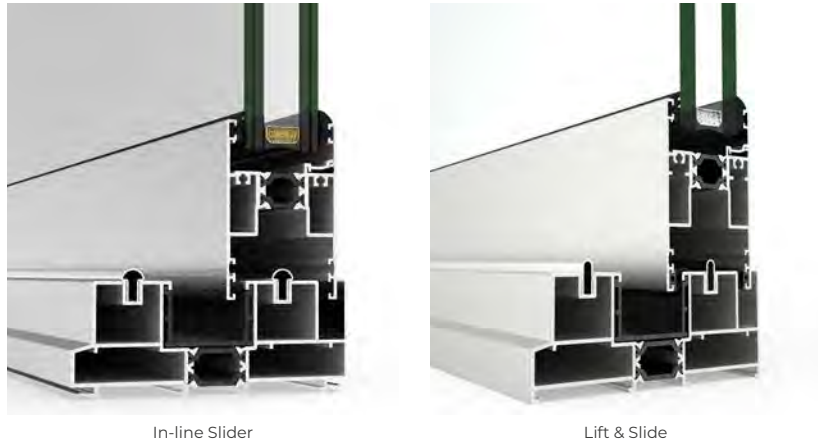
Possibility of a **reduced interlock section of 50 mm** in monorail frame (sash + fixed light) and 2 rail frame, allowing a larger glazed surface.



4700

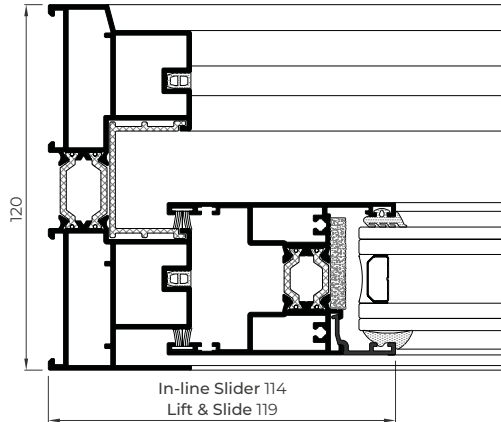
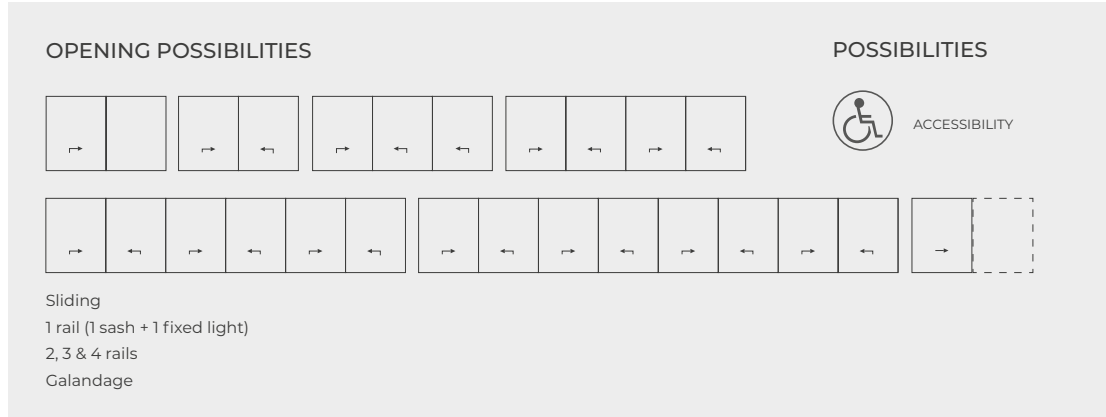
In-line Slider / Lift & Slide

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		$U_w \geq 1,1$ (W/m ² K)
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



- 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

4700 SLIDING

4900 HI

Sliding

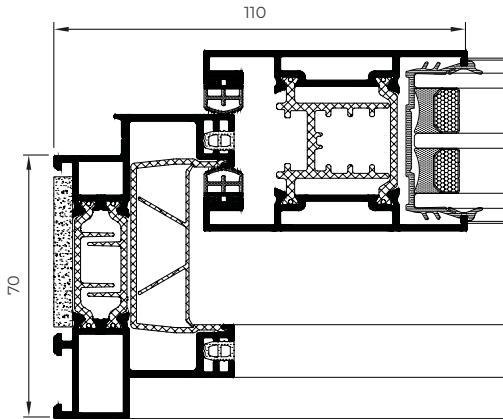
Standard sliding system with hinged features. Offers great thermal and acoustic performance favoured by a glazing capacity of up to 36 mm and a thermal break zone of 34 mm. It has a interlock section of 35 mm and straight lines, allowing the sashes to cross over thanks to the integrated handle with multilock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



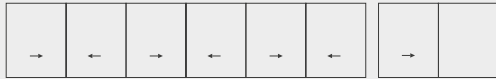
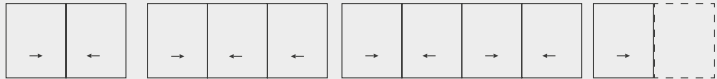
POSSIBILITIES



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



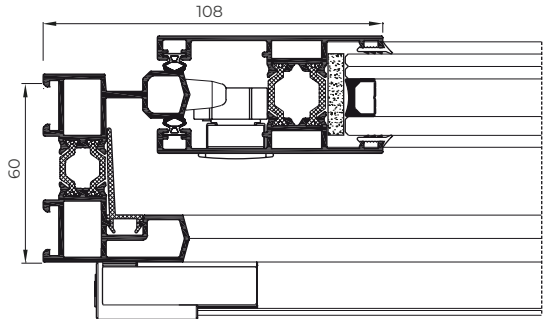
4200

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



Sliding
Thermally broken



- 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

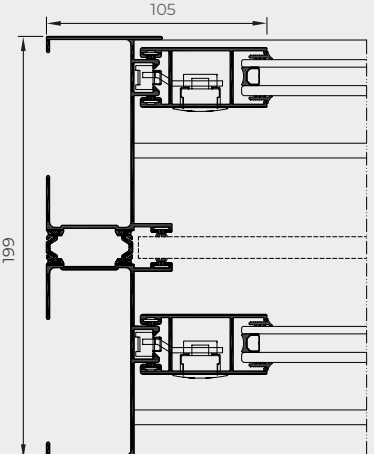


4200 SLIDING

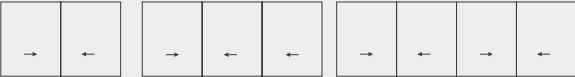
5000

Double Sliding

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



OPENING POSSIBILITIES



Sliding

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



Sliding
Thermally broken



5000

Sliding / Integral Sliding

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

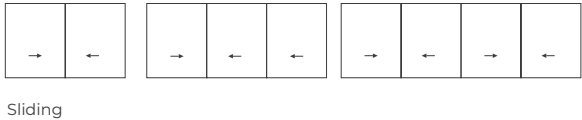
FEATURES		
Transmittance		Uw ≥ 2.3 (W/m²K)
Acoustic insulation		Rw up to 34 dB
Air permeability		Class 3
Water tightness		Class 8A
Wind resistance		Class C5

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





5000 Integral Sliding



Sliding



MEDITERRANEAN

Balcony

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



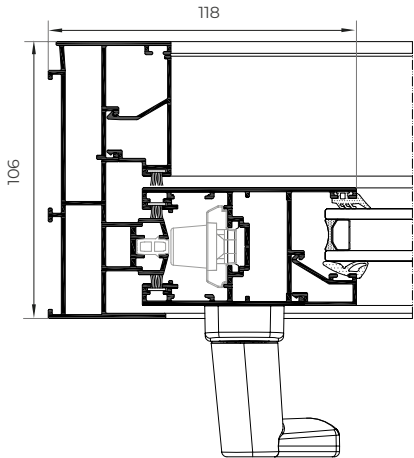
Sightlines
Frame 106 mm / 161 mm tricarril
Sash 45 mm

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



OPENING POSSIBILITIES

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

FEATURES		
Transmittance		Uw ≥ 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

Sliding



MEDITERRANEAN BALCONY