CORTIZO

integral solutions

ALUMINIUM
PVC

architecture

CONTEMPORARY ENCLOSURES

Aluminium and PVC
for **architecture**

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09_2023

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 the 60 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	1.3	From 0.8
Cor 80 Hidden Sash	1.2	From 0.8
Cor 70 Industrial	1.6	From 0.9
Alu-Steel	1.7	From 0.83
Millennium Plus 80 Door	1.7	From 0.8
Cor 70 C16 ST	1.7	From 0.9
Cor 70 Hidden Sash C16 ST	1.83	From 1.0
Cor 70 OC Half - Hidden sash	1.8	From 1.0
Cor 70 OC	1.9	From 1.0
Cor 70 Hidden Sash	2.0	From 1.0
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

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

SYSTEM	Uf W/m²K	Uw W/m²K
Casement	2.7	From 1.0
4900 HI Sliding	2.27	From 1.2
Cor 60 Hinged	2.8	From 1.0
Bi-Fold	3.1	From 1.1
4600 HI Lift & Slide	3.1	From 0.9
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
4500 Lift & Slide	4.0	From 1.5
4700 Sliding	4.0	From 1.1
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

_ Quality Edvard Grieg Hotel
LINK ARKITEKTUR // EMIMAR
Norway

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)

// Ongoing projects

_ Hotel K 23
Cuba

_ World Trade Center Santo Domingo
Dominican Republic

_ Altower
Turkey

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.

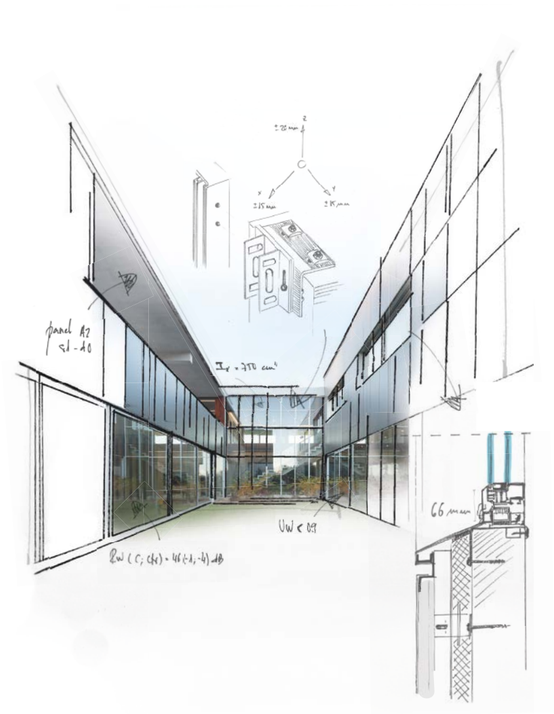
CORTIZO LAB

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

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

Green building consultation
greenbuilding@cortizo.com

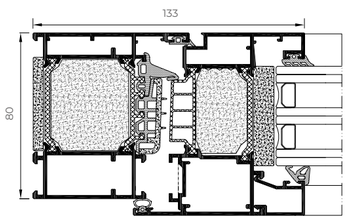
contemporary
enclosures

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 Uw from just 0.66 W/m²K, it is an ideal solution for buildings with low energy consumption.



FEATURES

Transmittance	Uw ≥ 0.66 (W/m²K)
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

POSSIBILITIES

SECURITY HARDWARE

CONCEALED HINGES

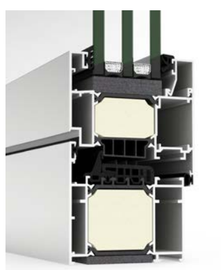
OPENING POSSIBILITIES

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.

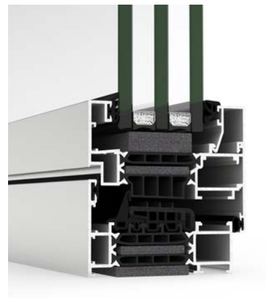
FEATURES

Transmittance	Uw ≥ 0.8 (W/m²K)
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

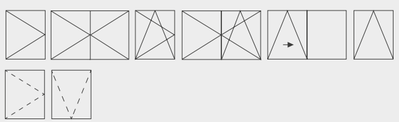
SECURITY HARDWARE

CONCEALED HINGES

CONCEALED DRAINAGE

ACCESSIBILITY

OPENING POSSIBILITIES

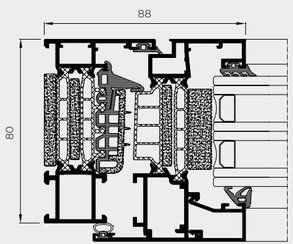


Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Tilt only

Outward Opening

Side hung
Top hung



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.

European Groove
Thermally broken

FEATURES	
Transmittance	Uw ≥ 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

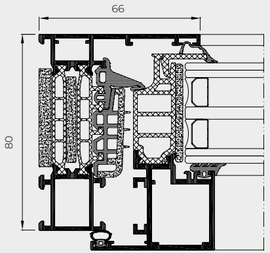
POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
CONCEALED HANDLE
CONCEALED DRAINAGE

OPENING POSSIBILITIES

Inward Opening

Side hung
Tilt & turn
Tilt only



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

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.

COR 70

Industrial

European Groove
Thermally broken

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

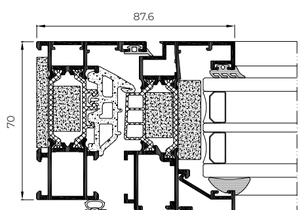
Transmittance	Uw ≥ 0.9 (W/m²K)
Acoustic insulation	Rw up to 44 dB
Air permeability	Class 4
Water tightness	Class E1800
Wind resistance	Class C5
Burglar resistance	Grade RC2 (WK2)
Security test	Passed

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

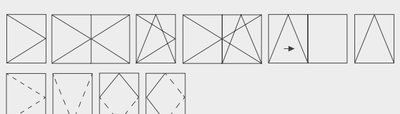
* Concealed drainage solution

POSSIBILITIES

- SECURITY HARDWARE
- CONCEALED HINGES
- ACCESSIBILITY
- CONCEALED DRAINAGE



OPENING POSSIBILITIES



Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Tily only

Outward Opening

Side hung
Top hung
Pivoting on horizontal or vertical axis

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

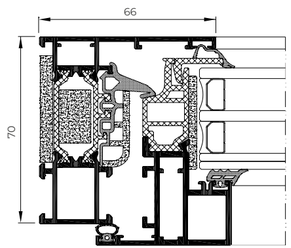
It could be a painting, but is a window. This is how we can describe the COR 70 Hidden Sash which, like the 80 mm version, has a sightline of only 66 mm and allows the incorporation of the ARCH INVISIBLE handle, concealed hinges and the drainage solution. Any element that breaks the visual harmony of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

European Groove
Thermally broken

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
Security test	PAS24	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



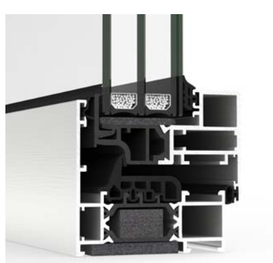
POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
CONCEALED HANDLE
CONCEALED HANDLE

OPENING POSSIBILITIES

Inward Opening

Side hung
Tilt & turn
Tilt only

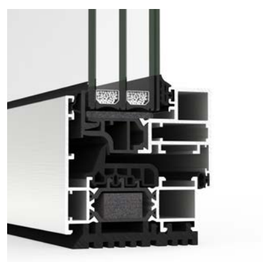


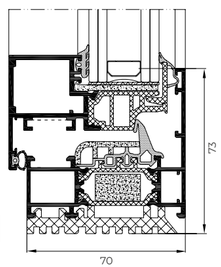
Sightlines
Frame 70 mm, Sash 70 mm
Polyamide Strip Length
35 mm
Profile Thickness
Window 1,9 mm
Glazing
Max. 40 mm, Min. 26 mm
Maximum Sash Dimensions
Standard solution:
Width (L) 1300 mm, Height (H) 2400 mm
HD Hardware (Side Hung):
Width (L) 1200 mm, Height (H) 3500 mm
Maximum Sash Weight
160 kg

Consult maximum weight and dimensions according to typologies

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.

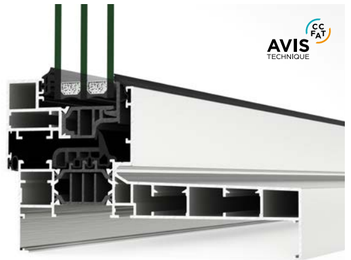
Facilitates window fabrication, allowing to place the base of the frame on the site itself.

COR 70

OC

European Groove
Thermally broken

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.



* Mitered frame

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

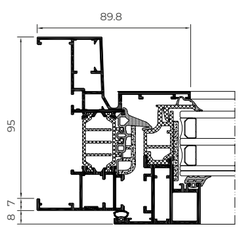
SECURITY HARDWARE
CONCEALED HINGES
CONCEALED HANDLE
CONCEALED HANDLE

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



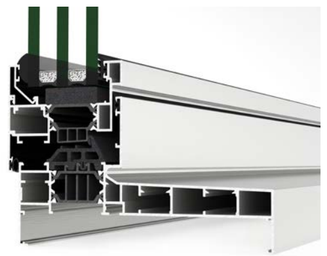
* Mitered frame

COR 70

OC Half - Hidden sash

European Groove
Thermally broken

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.



* Mitered frame

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

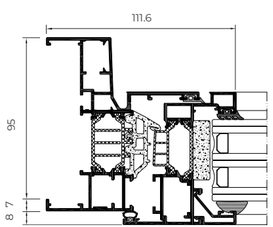
SECURITY HARDWARE
CONCEALED HINGES
CONCEALED HANDLE
CONCEALED HANDLE

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



* Mitered frame

aesthetic possibilities

COR **70 OC**
Straight cut frame

COR **70 OC**
Perimetral frame

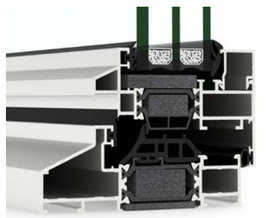
COR **70 OC Half - Hidden sash**
Straight cut frame

COR **70 OC Half - Hidden sash**
Perimetral frame

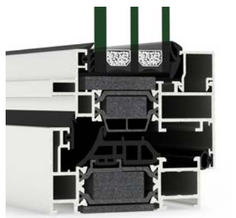
ALU-STEEL

European Groove
Thermally broken

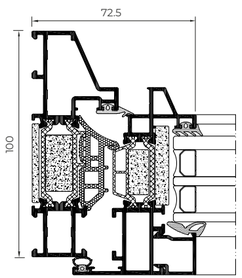
Inspired by classic line designs, the new Alu-Steel system allows to combine aluminium outstanding performances values with a steel-alike appearance. With a sightline of only 72.5 mm, Alu-Steel is a the perfect solution for new buildings and refurbishments, offering two different versions, classic or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



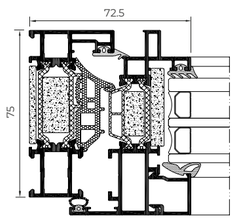
*Classic version



*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	Uw ≥ 0.83 (W/m²K)
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

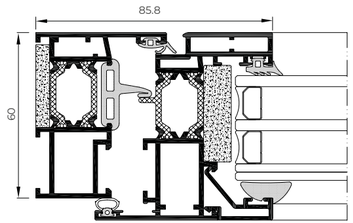
Sightlines
Modern frame 75 mm
Classic frame 100 mm
Sash 83 mm
Polyamide Strip Length
32-39 mm
Profile Thickness
Window 1.5 mm
Glazing
Max. 54 mm, Min. 20 mm
Maximum Sash Dimensions
Width (L) 1500 mm, Height (H) 2600 mm
Maximum Sash Weight
160 kg

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.

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



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

Consult maximum weight and dimensions according to typologies.

FEATURES

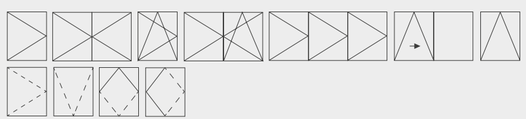
Transmittance	Uw ≥ 1.0 (W/m²K)
Acoustic insulation	Rw up to 48 dB
Air permeability	Class 4
Water tightness	Class E1350
Wind resistance	Class C5

Reference test 1.20 x 1.16 m / 2 sashes

POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
ACCESSIBILITY

OPENING POSSIBILITIES



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

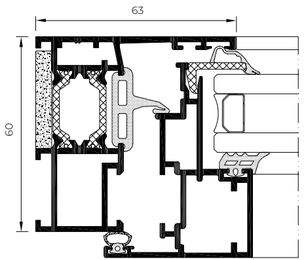
Outward Opening
Side hung
Top hung
Pivoting on horizonal or vertical axis.

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.



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

FEATURES

Transmittance		Uw ≥ 1.5 (W/m²K)
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

POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES

OPENING POSSIBILITIES

Inward Opening
Side hung
Tilt & turn
Bottom hung

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: Uw from 1.0 W/m²K, and up to 46 dB of noise reduction.

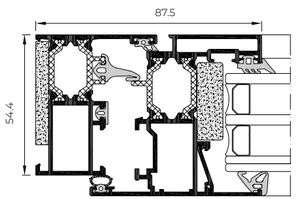
Aesthetic possibilities:
Sash: Straight or curved
Glazing Bead: Straight or curved

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

FEATURES

Transmittance		Uw ≥ 1.0 (W/m²K)
Acoustic insulation		Rw up tp 46 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class C5

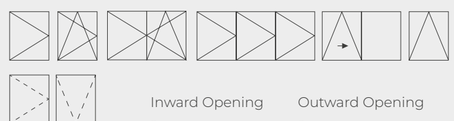
Reference test 1.20 x 1.20m / 2 sashes



POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
ACCESSIBILITY

OPENING POSSIBILITIES



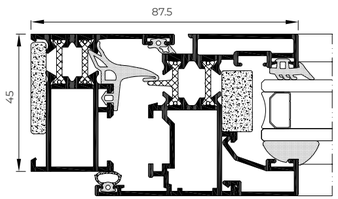
Inward Opening
Side hung
Tilt & turn
Bi-fold
Tilt & parallel
Bottom hung

Outward Opening
Side hung
Top hung

COR 3000

European Groove
Thermally broken

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

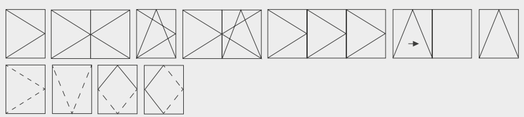
SECURITY HARDWARE

CONCEALED HINGES

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

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

OPENING POSSIBILITIES



Inward Opening	Outward Opening
Side hung	Side hung
Tilt & turn	Top hung
Bi-fold	Pivoting of either horizontal
Tilt & parallel	or vertical axis
Bottom hung	

FEATURES

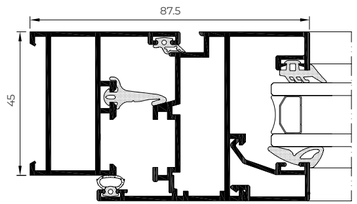
Transmittance	Uw ≥ 1.3 (W/m²K)
Acoustic insulation	Rw up to 46 dB
Air permeability	Class 4
Water tightness	Class 9A
Wind resistance	Class C5

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

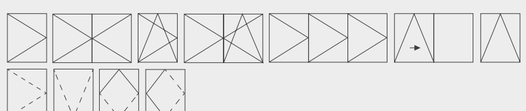
Reference test 1.20 x 1.18 m / 2 sashes

POSSIBILITIES

SECURITY HARDWARE

CONCEALED HINGES

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

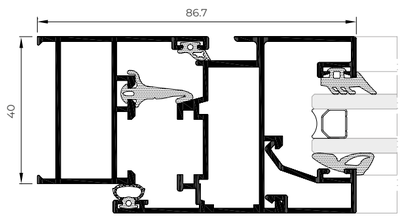
Consult maximum weight and dimensions according to typologies

Aesthetic possibilities:

Sash: Straight or curved
Glazing Bead: Straight or curved

COR 2300

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



FEATURES

Transmittance	Uw ≥ 2.0 (W/m²K)
Acoustic insulation	Rw up to 39 dB
Air permeability	Class 4
Water tightness	Class 9A
Wind resistance	Class C5

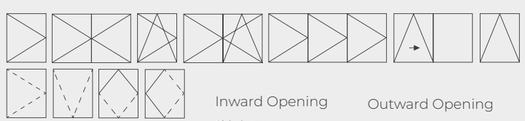
Reference test 1.105 x 1.210 m / 2 sashes

POSSIBILITIES

SECURITY HARDWARE

CONCEALED HINGES

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

Aesthetic possibilities:

Sash: Straight or curved
Glazing Bead: Straight or curved

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

COR 70

C16 ST

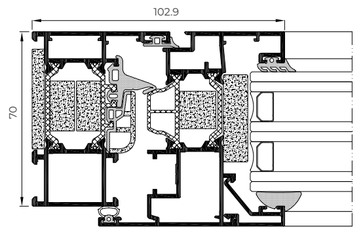
16 Grooven
Thermally broken

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 ≥ 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

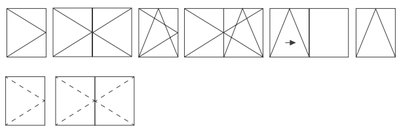


AVIS TECHNIQUE CSTB

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)

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

16 Grooven
Thermally broken

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	Uw ≥ 1,0 (W/m²K)
Transmitancia Half Hidden Sash	Uw ≥ 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

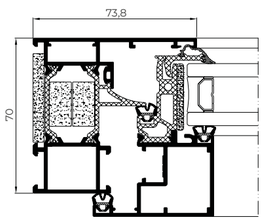
POSSIBILITIES

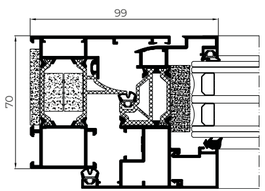
SECURITY HARDWARE
CONCEALED HINGES
CONCEALED HANDLE

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

MANUAL GLAZING
GASKETS AVAILABLE

Glazing gasket
6.5 mm

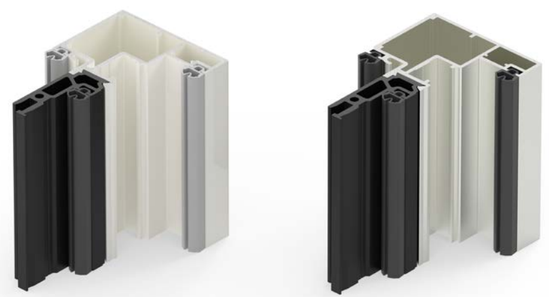
Glazing gasket
8.5 mm

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

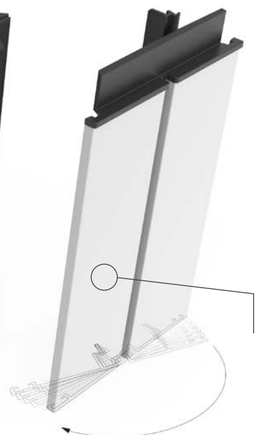
Half - Hidden sash

Perimeter
Monoblock frame

Straight cut
Monoblock frame

Covers available
in **black or white**

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



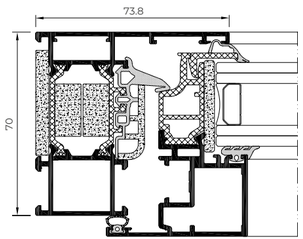
NEW **FLOATING MULLION**
Floating mullion profile in two parts in order to **facilitate the on-site glazing** without the need to take the profile and hardware apart

COR 70

Hidden Sash C16 ST

16 Grooven
Thermally broken

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.



AVIS TECHNIQUE CSTB FAT

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

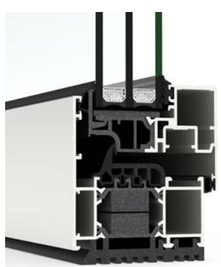
POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
CONCEALED DRAINAGE

FEATURES

Transmittance	Uw ≥ 1.0 (W/m²K)
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

COR 3500

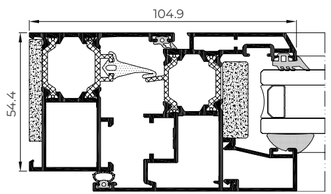
C16 ST

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.

16 Grooven
Thermally broken

POSSIBILITIES

SECURITY HARDWARE
CONCEALED HINGES
ACCESSIBILITY



FEATURES

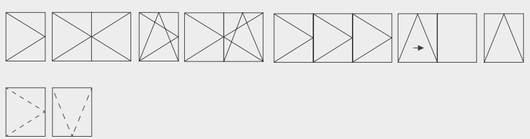
Transmittance	Uw ≥ 1.2 (W/m²K)
Acoustic insulation	Rw up to 46 dB
Air permeability	Class 4
Water tightness	Class 9A
Wind resistance	Class C4

Reference test 1.23 x 1.48 m / 2 sashes

Aesthetic possibilities:

Sash: Curved or chamfered
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

COR **3500 C16 ST**

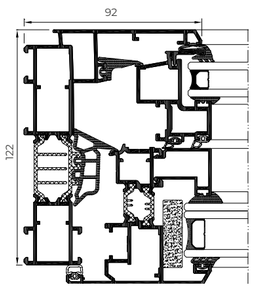
Sightlines
Frame 54 mm, Sash 62 mm
Polyamide Strip Length
24 mm
Profile Thickness
Window 1.5 mm
Door 1.7 mm
Glazing
Max. 32 mm, Min. 27 mm
Maximum Sash Dimensions
Width (L) 1500 mm, Height (H) 2600 mm
Maximum Sash Weight
120 kg
Consult maximum weight and dimensions according to typologies

COR URBAN

C16

16 Grooven
Thermally broken

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

Aesthetic possibilities:
Sash: Chamfered / Glazing Bead: Chamfered

POSSIBILITIES

CONCEALED HINGES

OPENING POSSIBILITIES

Inward opening

Side hung
Tilr & turn

FEATURES

Transmittance	Uw ≥ 1.2 (W/m²K)
Acoustic insulation	Rw up to 50 dB
Air permeability	Class 4
Water tightness	Class E1650
Wind resistance	Class C5

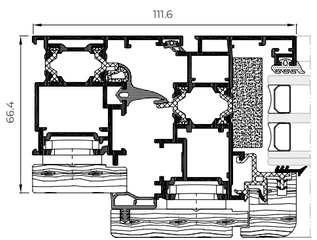
Reference test 1.23 x 1.48 m / 1 sash

COR GALICIA

Premium C16

16 Grooven
Thermally broken

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

POSSIBILITIES

SECURITY HARDWARE

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 Uw from 1.0 W/m²K, has the British security certification PAS 24, being especially suitable for this market.

FEATURES

Transmittance		Uw ≥ 0.9 (W/m²K)
Acoustic insulation		Rw up to 45 dB
Air permeability		Class 4
Water tightness		Class E1200
Wind resistance		Class CE 2400
Security test	PAS24	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

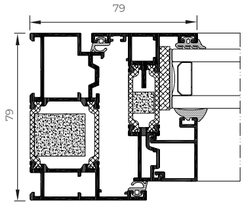
SECURITY HARDWARE

CONCEALED HINGES

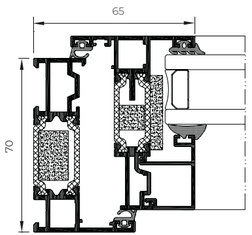
OPENING POSSIBILITIES

Outward Opening

Side hung
Top hung



* Flush Version



* Standard Version

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

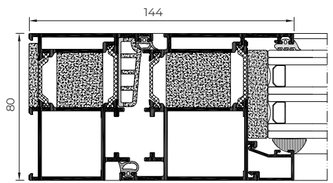
contemporary
enclosures

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.



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) 2700 mm
Maximum Sash Weight
220 kg / 120 Kg (concealed hinges)

Consult maximum weight and dimensions according to typologies

FEATURES

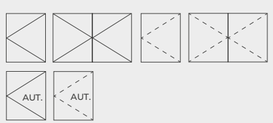
Transmittance		Uw ≥ 0.8 (W/m²K)
Acoustic insulation		Rw up to 40 dB
Air permeability		Class 4
Water tightness		Class 6A
Wind resistance		Class C4
Resistance to mild impact		Class 5 (Max.)
Repeated openings and closings		1,000,000 Cycles
Burglar resistance		Grade RC2

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

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

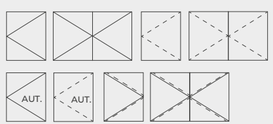
DOOR

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) 2700 mm
Maximum Sash Weight
220 kg
120 Kg (concealed hinges)

Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES

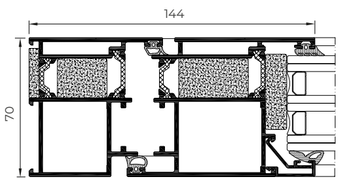


Inward Opening
Side hung
Outward opening
Side hung
Automatic Opening
Outward and inward side hung
Swing Opening
Side hung

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

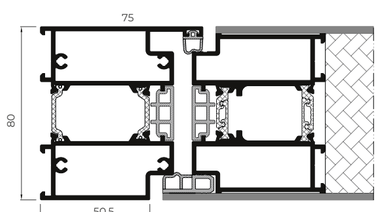
FEATURES

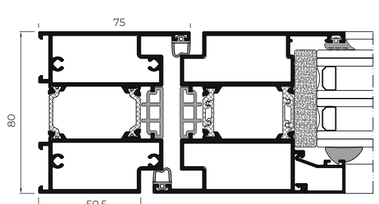
Transmittance	$U_D \geq 0{,}86$ (W/m²K)
Air permeability	Class 4
Water tightness	Class 5A
Wind resistance	Class C5

Reference test 1.20 x 2.00 m / 1 Sash

POSSIBILITIES

Pivoting





MILLENNIUM PLUS PIVOT DOOR

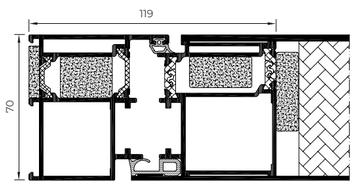
Sightlines
Frame 80 mm, Sash 80 mm
Polyamide Strip Length
24 / 26 mm
Profile Thickness
Door 2,0 mm
Panel
80 mm
Maximum glazing
64 mm
Maximum Sash Dimensions
Width (L) 2100 (1700* + 400) mm
Height (H) 3000 mm
Maximum Sash Weight
250 kg

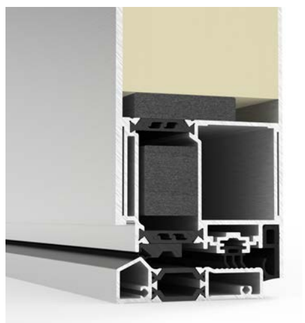
Consult maximum weight and dimensions according to typologies
* Measured from the pivot axis

Panelled

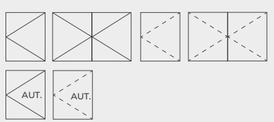
DOOR

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

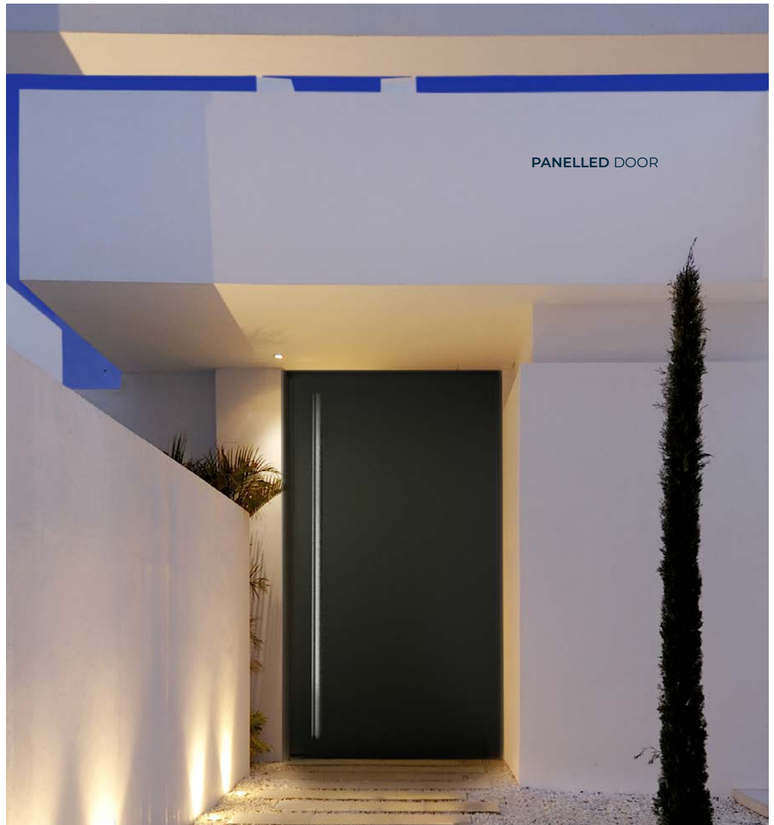
Wind resistance: Reference test 1.20 x 2.30 m / 1 sash
Resistance to mild impact: Test carried out according to standard EN 13049
Test on door reference 1.80 x 2.20 m / 2 sashes. Laminated glass 3+3
Resistance to repeated openings and closing: Test carried out according to standard EN 1191
Test on door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

*Compatible with Millenium Plus 70 and 80 doors

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)

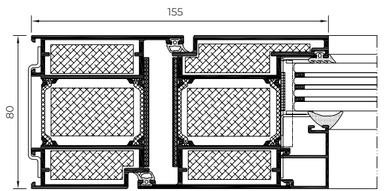
Consult maximum weight and dimensions according to typologies



Millennium FR

DOOR

Aluminium fire door system with fire resistance category $EI_2$60 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.



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

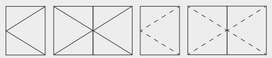
Consult maximum weight and dimensions according to typologies

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. Glass EI60 single glazed 23 to 25 mm.

OPENING POSSIBILITIES



Inward opening
Side hung
Outward Opening
Side hung

Millennium 2000

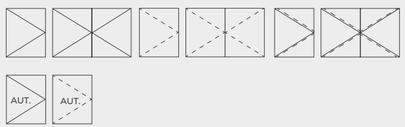
DOOR

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

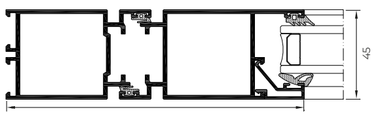
ACCESSIBILITY

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

FEATURES

Transmittance		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.

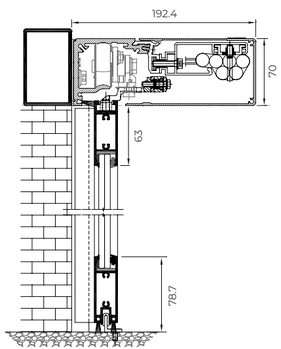
POSSIBILITIES

AUTOMATION

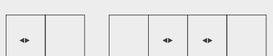
ACCESSIBILITY

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



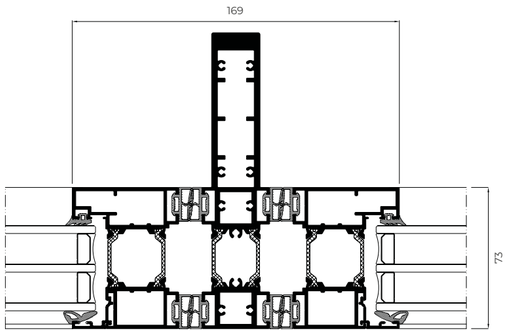
Automatic Opening

Sliding 1 sash and 1 fixed light
Sliding 2 sashes and 2 fixed lights

Monumental Bi-fold

DOOR

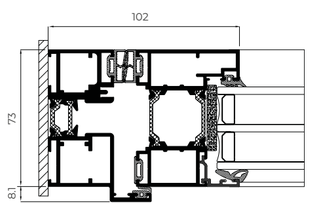
The new Bi-Fold Monumental door hits the market in order to complete the CORTIZO catalogue of XL systems. Thanks to its large dimensions, we will be able to manufacture sashes up to 5 m high and 1.2 m wide. In addition, the Monumental Bi-fold has proved its great performance against the most extreme 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



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

OPENING POSSIBILITIES

From 1 to 14 sashes

POSSIBILITIES

SECURITY HARDWARE

BI - FOLD

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

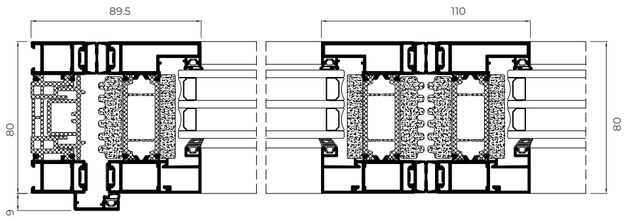
Inward
Up to 14 sashes

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

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	PAS24	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

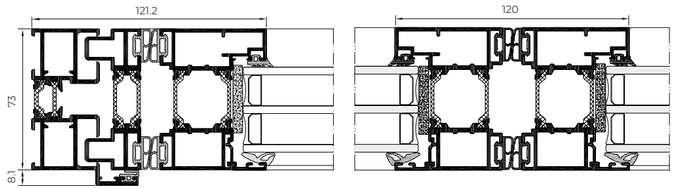
Inward
From 1 to 14 sashes

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

contemporary
enclosures

sliding window and door systems

COR VISION

Plus

Sliding
Thermally broken

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.

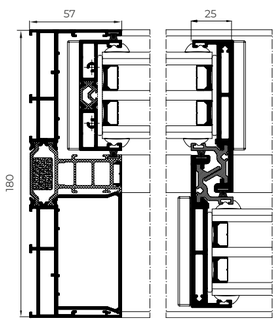
FEATURES

Transmittance	Uw ≥ 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**

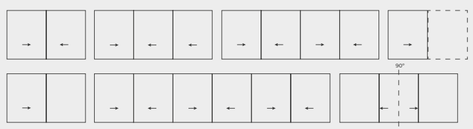
Wind resistance:
* Reference test balcony 4.00 x 3.00 m / 2 sashes
** Reference test balcony 4.00 x 3.00 m / 1 sash + 1 fixed light

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

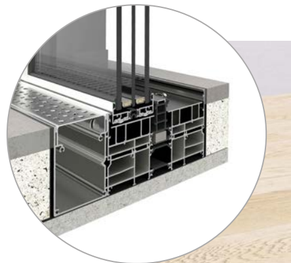


OPENING POSSIBILITIES



Sliding
Possibility of 1, 2, 3 or 4 rails
Possibility of interior and exterior corner sash at 90° without mullion
Pocket possibility

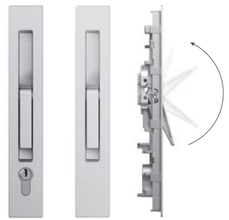
DRAINAGE
SOLUTION



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

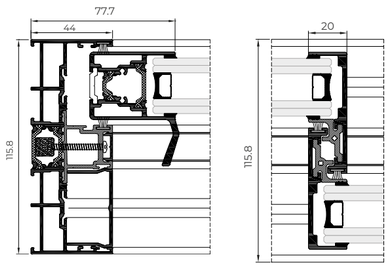
AUTOMATION

ACCESSIBILITY

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

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

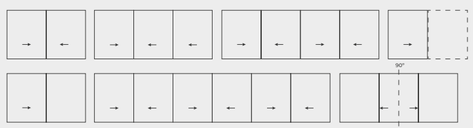
Sightlines
Frame 116 mm / 182 mm 3 rails
Sash 37 mm
Polyamide Strip Length
16 / 24 mm
Profile Thickness
Door 1.7 mm
Glazing
Max. 30 mm, Min. 26 mm
Maximum Sash Dimensions
Width (L) 2500 mm, Height (H) 3000 mm
Maximum Sash Weight
320 Kg

Consult maximum weight and dimensions according to typologies

POSSIBILITIES

ACCESSIBILITY

OPENING POSSIBILITIES

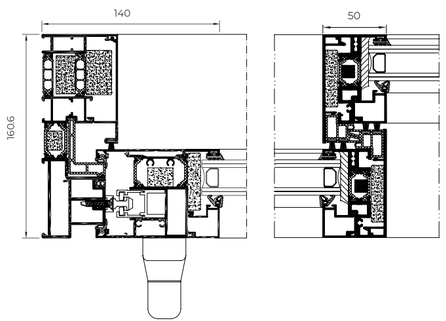


Sliding
Possibility of 1, 2 or 3 rails
Possibility of interior and exterior corner at 90° without mullion
Pocket possibility

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.



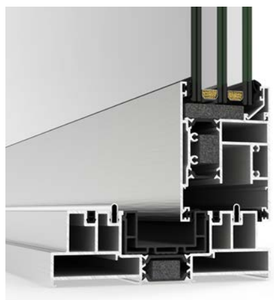
FEATURES

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

POSSIBILITIES

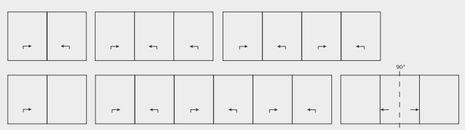
ACCESSIBILITY



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

4500

Lift & Slide / Standard Slide

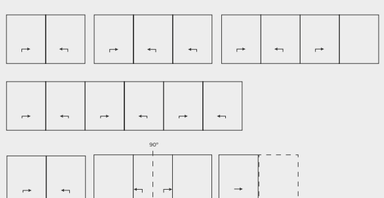
This high-performance sliding system with straight or curved aesthetic is designed with a lift & slide or standard slide opening system, allowing the closing of great spans with arrangements of 6 sashes.

FEATURES

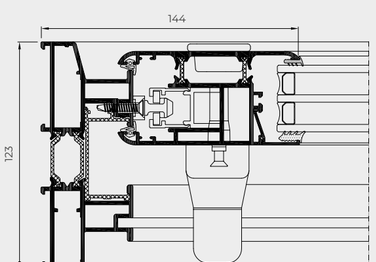
Transmittance	Uw ≥ 1.5 (W/m²K)
Acoustic insulation	Rw up to 42 dB
Air permeability	Class 4*
Water tightness	Class 8A*
Wind resistance	Class C4**

* Reference test 2.62 x 2.5 m / 2 sashes (window)
** Reference test 1.85 x 2.05 m / 1 sash + 1 fixed light

OPENING POSSIBILITIES

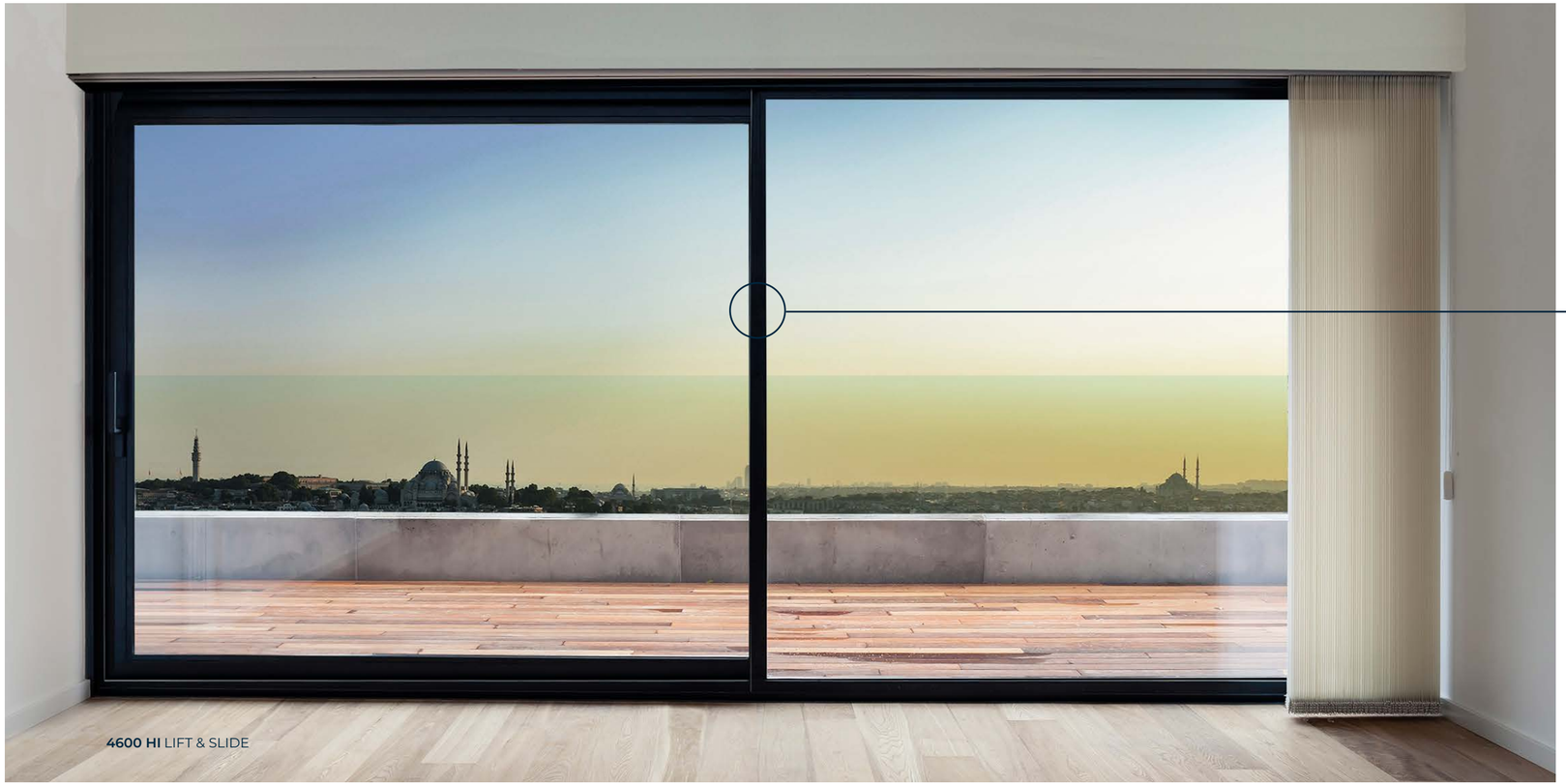


Sliding
1 rail (sash + fixed light), 2 and 3 rails
Possibility of corner sash encounters at 90° without mullions
Pocket possibility

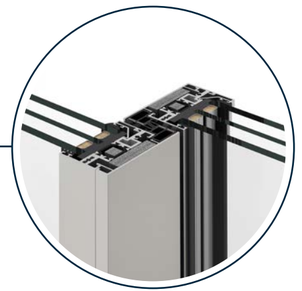


Sightlines
Frame 100 / 123 / 127 mm
3 rails 185 mm
Sash 51 mm
Polyamide Strip Length
Lift & Slide
Frame 24 mm
Sash 14.6 mm
Standard Slide
Frame 30 mm
Sash 14.6 mm
Profile Thickness
Door 2.0 mm
Glazing
Max. 38 mm, Min. 4 mm
Maximum Sash Dimensions
Lift & Slide
Width (L) 3300 mm
Height (H) 3300 mm
Standard Slide
Width (L) 2500 mm
Height (H) 2600 mm
Maximum Sash Weight
Lift & Slide 400 kg
Standard Slide 280 Kg
Aesthetic possibilities:
Sash: Curved or chamfered
Bead: Straight, curved or chamfered

Consult maximum weight and dimensions according to typologies

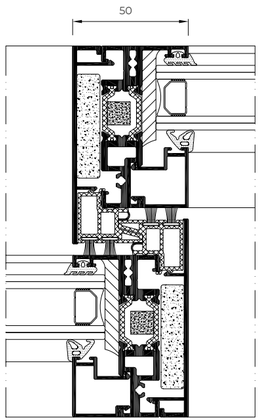


4600 HI LIFT & SLIDE



SLIM
INTERLOCK

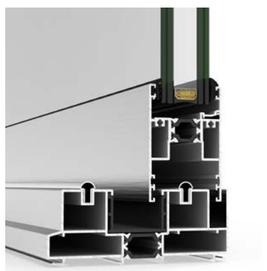
Possibility of a **reduced interlock section of 50 mm** in monorail frame (sash + fixed light) and 2 rail frame, allowing a larger glazed surface.



4700

Lift & Slide / Standard Slide

This sliding system, available both in slide 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.



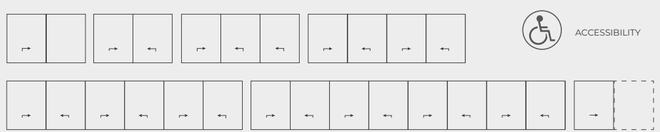
Standard Slide

Lift & Slide

FEATURES		
Transmittance		Uw ≥ 1,1 (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	PAS24	Passed

* Reference slide 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

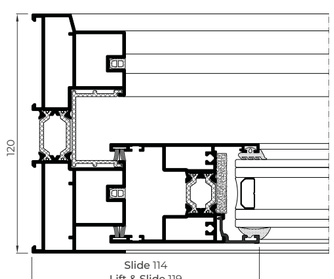
OPENING POSSIBILITIES



Sliding
1 rail (1 sash + 1 fixed light)
2, 3 & 4 rails
Galandage

POSSIBILITIES

ACCESSIBILITY



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
Slide 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 a interlock section of 35 mm and straight lines, allowing the sashes to cross over thanks to the integrated handle with multilock system.

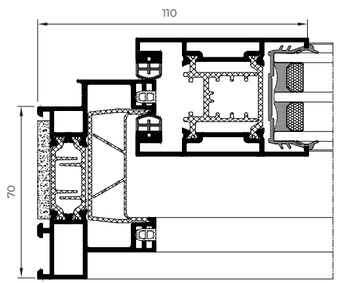
OPENING POSSIBILITIES

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

POSSIBILITIES

ACCESSIBILITY

AVIS TECHNIQUE



FEATURES

Transmittance	Uw ≥ 1.2 (W/m²K)
Acoustic insulation	Rw 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

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

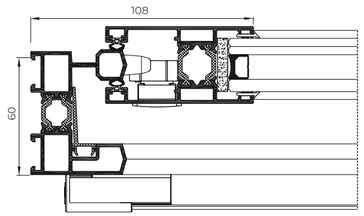
Sliding

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

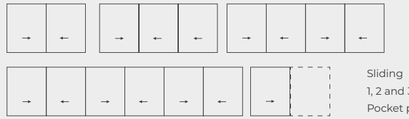
Maximum Sash Dimensions
Width (L) 2200 mm
Height (H) 2600 mm

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



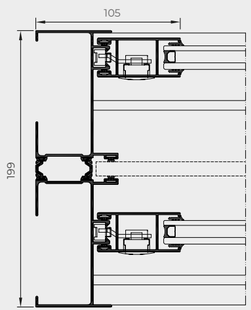
Sliding
1, 2 and 3 rails
Pocket possibility 1 and 2 rails

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

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

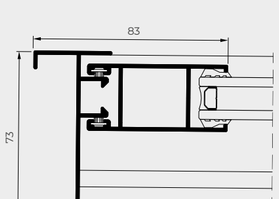
Sightlines
5000 Sliding: Frame 73 mm, Sash 28 mm
5000 Integral Sliding: Frame 121 mm, Sash 28 mm
Profile Thickness
Window 1.5 mm
Glazing
Max. 18 mm, Min. 4 mm

OPENING POSSIBILITIES

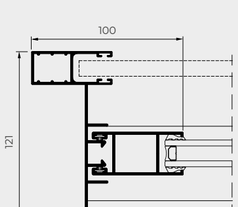
Sliding

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



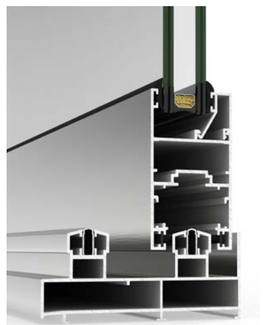
5000 Integral Sliding



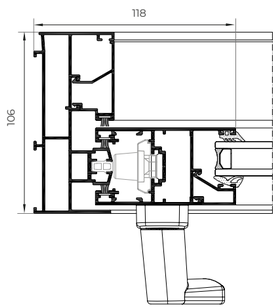
MEDITERRANEAN

Balcony

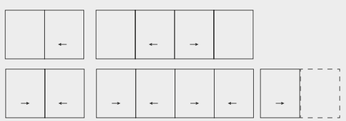
Sliding balcony solution for mild climates with straight aesthetic and 45° sash and frame encounters.



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



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

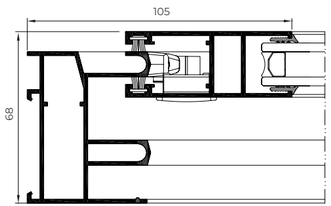
MEDITERRANEAN **BALCONY**

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

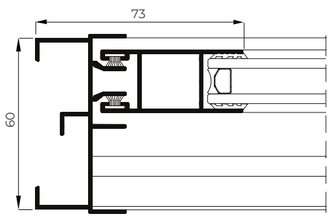
Reference test 1.20 x 1.20 m / 2 sashes

6200

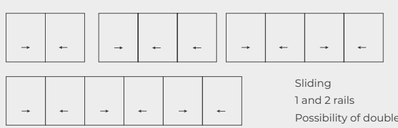
Sliding

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

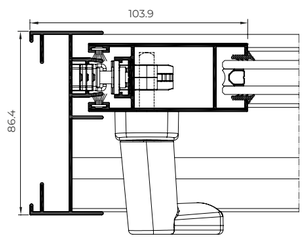
6500

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



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.

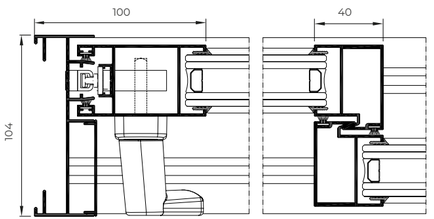
FEATURES

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

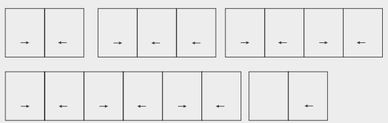
Reference test 1.48 x 1.30 m / 2 sashes

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

2000 PERIMETRAL SLIDING

6500 PLUS SLIDING

contemporary enclosures

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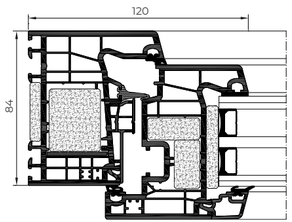
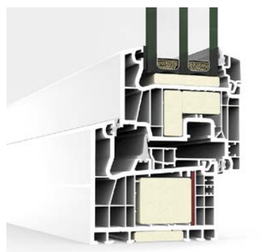
Passivhaus HI

PVC

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 Uw 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.





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
Balcony:
Width (L) 450-1300 mm
Height (H) 600-2200 mm
Maximum Sash Weight
100 kg

Consult maximum weight and dimensions according to typologies

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

FEATURES

Transmittance	Uw ≥ 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

OPENING POSSIBILITIES

Inward Opening

Side hung
Tilt & turn
Bottom hung

A 84

Passivhaus 1.0 Thermally broken / Passivhaus 1.0

PVC

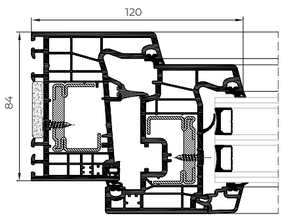
Certified for the warm-temperate category (warm-temperate weather), it offers a transmittance value Uw of 0.74 W/m²K, thanks to the use of an internal reinforcement with thermal break.

FEATURES

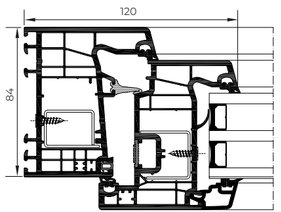
Transmittance	Uw ≥ 0.74 (W/m²K)
Acoustic insulation	Rw up to 46 dB
Air permeability	Class 4
Water tightness	Class E1500
Wind resistance	Class C5

Reference test 1.23 x 1.48 m / 2 sashes

Aesthetic possibilities:
Sash: Straight
Bead: Straight or curved



Passivhaus 1.0 Thermally broken



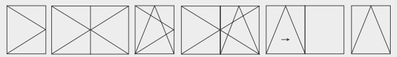
Passivhaus 1.0

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) 450-1300 mm
Passivhaus 1.0 Thermally broken
Passivhaus 1.0 reduced reinforcement:
Height (H) 450-2200 mm
Balcony passivhaus 1.0:
Width (L) 450-1400 mm
Height (H) 600-2400 mm
Maximum Sash Weight
130 kg

Consult maximum weight and dimensions according to typologies

A 84

Hinged

PVC

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

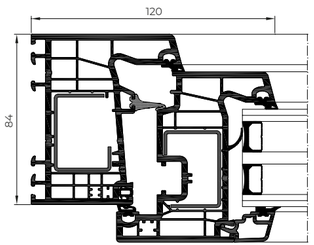
OPENING POSSIBILITIES

Inward Opening

Side hung
Tilt & turn
Tilt & parallel
Bottom hung

Outward Opening

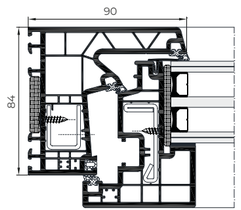
Side hung (Door)



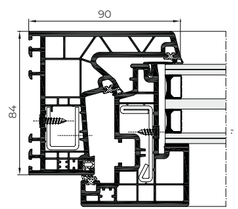
Sightlines
Frame 84 mm
Sash 84 mm
Glazing
Max. 54 mm, Min. 4 mm
Maximum Sash Dimensions
Window:
Width (L) 450-1400 mm
Height (H) 450-2450mm
Balcony:
Width (L) 450-1400 mm
Height (H) 600-2500 mm
Door:
Width (L) 700-1300 mm
Height (H) 600-2500 mm
Maximum Sash Weight
130 Kg Window / Balcony
160 Kg Door
Aesthetic possibilities:
Sash: Straight
Bead: Straight or curved

Consult maximum weight and dimensions according to typologies

A 84 HIDDEN SASH



A 84 Hidden Sash Passivhausvhaus



A 84 Hidden Sash

A 84

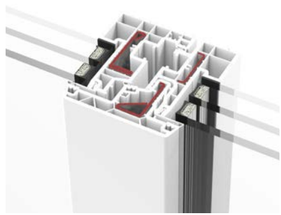
Hidden Sash Passivhaus / Hidden Sash

PVC

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 (Uw from 71 W/m²K) as well as in the standard version (Uw from 0.71 W/m²K).

A 84 Hidden Sash Passivhaus

A 84 Hidden Sash



Possibility of 90 mm interlock section

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

FEATURES

Transmittance Passivhaus	Uw ≥ 0.71 (W/m²K)
Transmittance Standard	Uw ≥ 0.74 (W/m²K)
Acoustic insulation	Rw 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

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

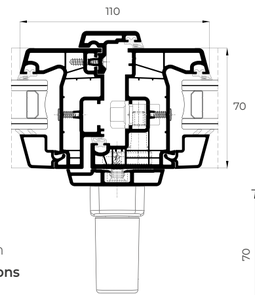
Chamfered Sash

Curved Sash

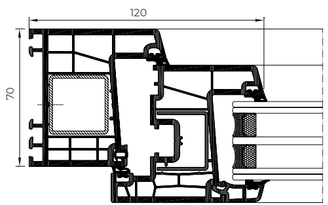
Sightlines
Frame 70 mm
Sash 70 / 80 mm

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

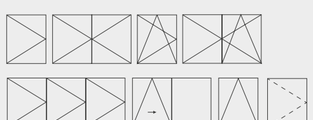


Maximum Sash Weight
130 kg Window
130 Kg Balcony
160 Kg Door

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

Consult maximum weight and dimensions according to typologies

OPENING POSSIBILITIES



Outward Opening

Side hung (Door)

Inward Opening

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

POSSIBILITIES

SECURITY HARDWARE

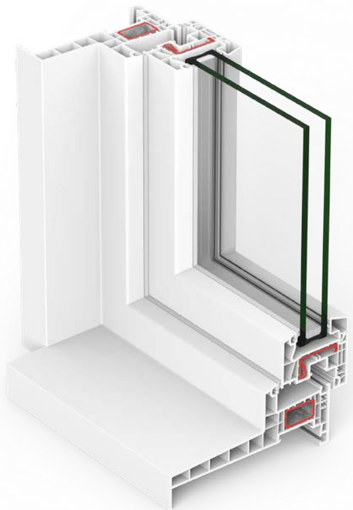
ACCESSIBILITY

CONCEALED DRAINAGE

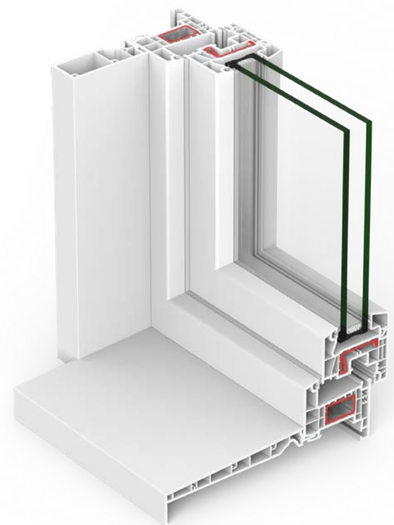
FEATURES

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



Monoblock

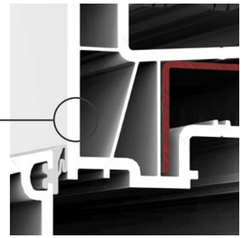


Cap

CORTIZO QUALITY PVC

Class A
Main walls thickness:
3 mm

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

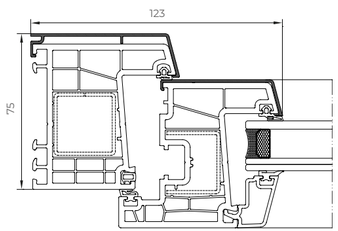


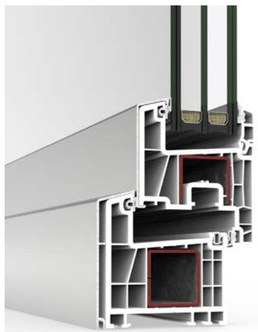
Class II
Impact resistance
Maximum profile hardness

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		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

POSSIBILITIES

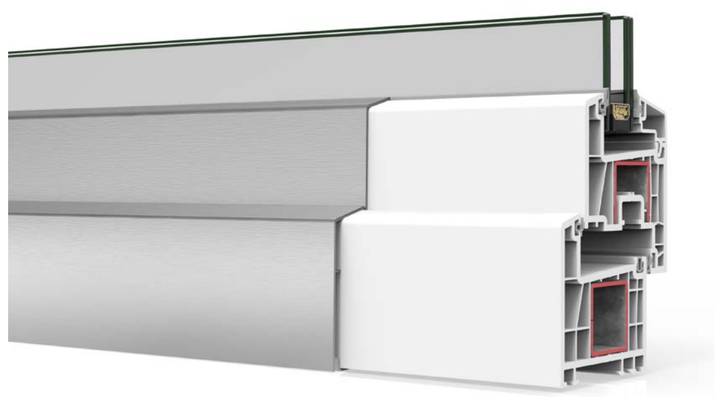
SECURITY HARDWARE

Alcover 45° profile encounters

Alcover 90° profile encounters

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

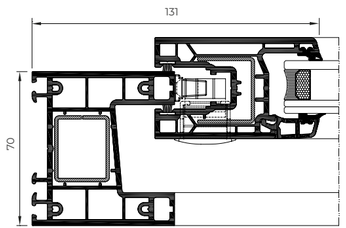


C 70

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.

PVC



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

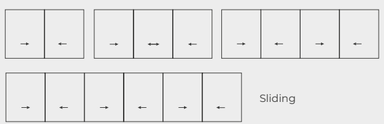
Reference test 1.23 x 1.48 m / 2 sashes

POSSIBILITIES

SECURITY HARDWARE

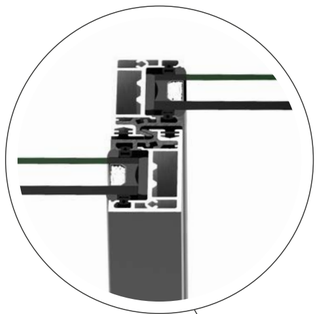
ACCESSIBILITY

OPENING POSSIBILITIES



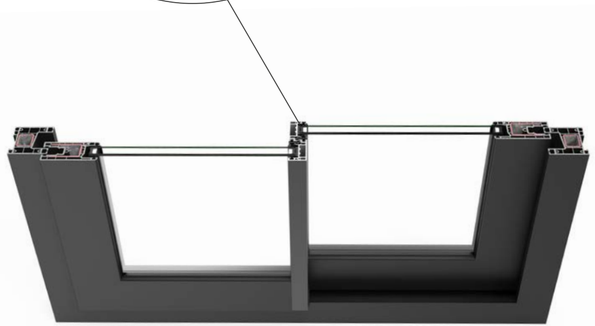
Sliding

Sightlines
Frame 70 mm, Sash 46 mm
Glazing
Max. 26 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

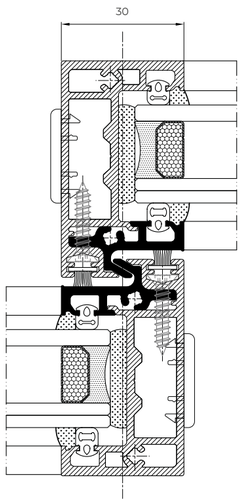


SLIM CENTRAL SECTION

Possibility of **slim central section** of **30 mm**



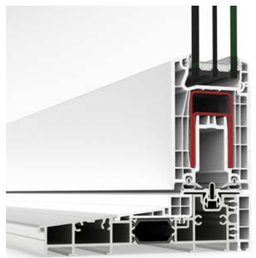
SLIDING **C 70**

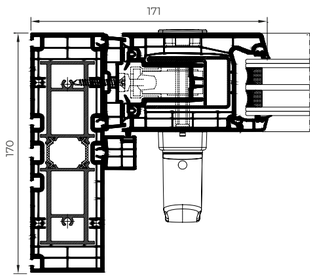


E 170

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

POSSIBILITIES

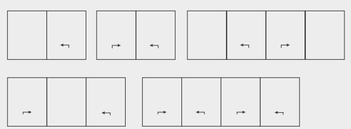
SECURITY HARDWARE

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

OPENING POSSIBILITIES

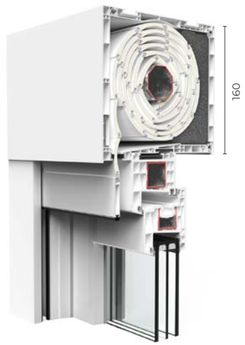


Lift & slide system of 1, 2 and 4 sashes

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 Usb from 0.66 W/m²K, 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)

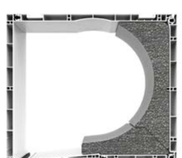
Reference test 200 x 230 mm (height x depth) and 1230 mm length
Reference test 160 x 180 mm (height x depth) and 1230 mm length

ROLLER SHUTTER BOX 200 mm	
Transmittance	Usb ≥ 0.66 (W/m²K)
Acoustic insulation	Rw up to 44 dB

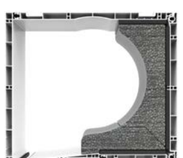
Reference test 200 x 230 mm (height x depth) and 1230 mm length

ROLLER SHUTTER BOX 160 mm	
Transmittance	Usb ≥ 0.97 (W/m²K)
Acoustic insulation	Rw up to 47 dB

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



Thermal insulation



Thermal-acoustic insulation

Lateral Connection Link Rod
Longitudinal Stability

Frontal Register

Bottom Register

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

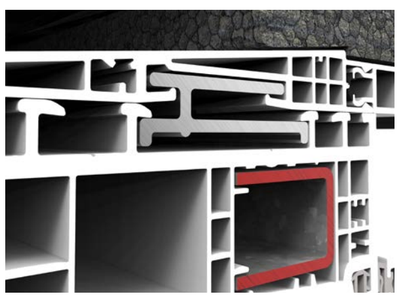
Maximum dimensions (roller shutter box 200 mm)
Width (L) 2400 mm (3800 mm with divider)
Height (H) 2800 mm (with centred side frame)

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

contemporary
enclosures

façade systems

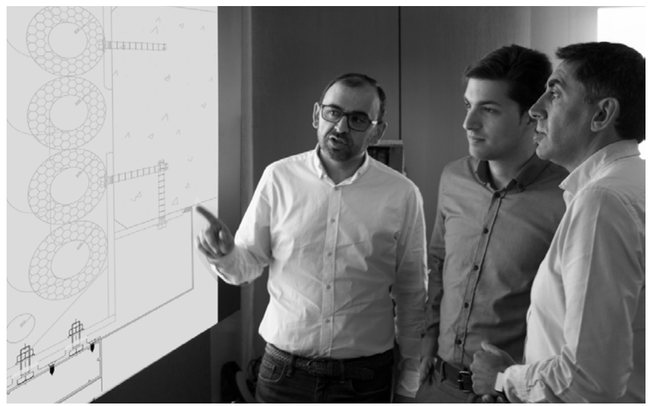
Cortizo's Department of Engineering for Building Envelopes is directed towards the design of custom envelopes for large dimension projects and technical complexity.

// Finished projects

_ Puerto de Somport 2122 office building
Spain

DESIGN

Custom profile development, detail preparation and on-site consultation. Calculation and dimensioning of profiles, fixings, accessories, composite panel and glazing. 3D visualisation and renderings.



FEATURES

The analysis executed in the CORTIZO Technological Centre allow us to test the façades' behaviour when faced with the most extreme conditions, for exemple earthquakes, hurricanes, fires... Additionally, our laboratory also examines the thermal and acoustic performances of all the developed systems, as well as their behaviour in air, water and wind tests.

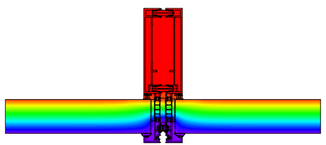
COMPREHENSIVE **ASSISTANCE**

85 engineers provide the necessary technical assistance in each of the project's phases, from the initial design phase, calculations, pricing, as well as the planning and control of deliveries.

UNIT 66

MODULAR FAÇADE

Thermally broken façade system suitable for high rise enclosure projects. This solution combines excellent performance with a wide range of custom designs, offering great aesthetic versatility with option of “glass only” or “seen profile” with an interlock profile of 66 mm. Its fixing bracket has three-dimensional regulation, facilitating its installation.



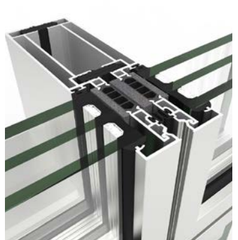
Maximum weight: 350 kg
Glazing: 58 mm
Interlock profile: 66 mm or 76 m
Thermal break zone:
25 mm - 40 mm
Separation between modules:
10 or 20 mm
Maximum dimensions:
Width (L) 1500 mm, Height (H) 3700 mm

FEATURES	
Transmittance	Ucw ≥ 0.6 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE1200
Wind resistance *	Passed
Impact resistance	I5 / E5

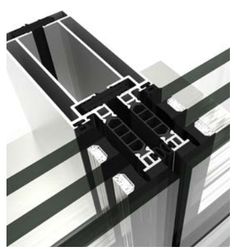
* Design loading 2000 Pa-Security loading 3000 Pa

OPENING POSSIBILITIES

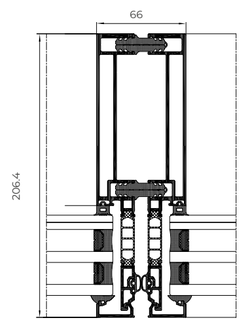
Outward Opening
Hidden top hung
Hidden parallel opening



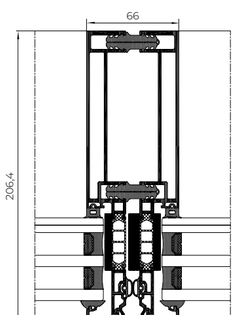
Beaded version



Structural version

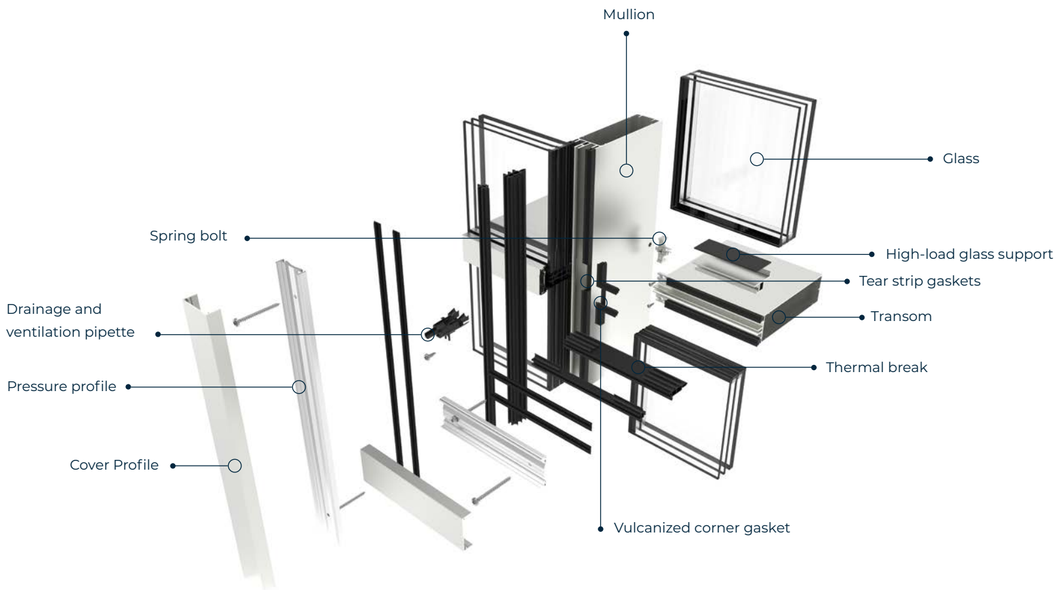


Standard version



High insulation version

FAÇADES



62 mm FAÇADES

CORTIZO extends its stick façades catalogue, adding new versions with mullions and transoms of 62 mm for the systems TP, TPH, TPV and SG. This range of curtain walls uses profiles which offer more inertia and allow the installation of bigger and heavier glasses, improving their fixation against potential movements of the structure. The 62 mm CORTIZO façades also present stronger unions between mullions and transoms, as well as an anchoring designed for tolerating bigger weight and wind loads than the 52 mm versions.

TP 62

SG 62

TPH 62

TPV 62

ST 62

WATER-TIGHTNESS ELEMENTS

Two plastic accessories are used to guide the water from possible condensation towards the exterior:

Continuity piece

It carries the water that descends from the upper mullion's drainage channels over to the one immediately below in the fillet zone between them.

Pipette

Collects the water from the mullion's (and, generally, from the annexed transoms') drainage channels and expels it into the space between the pressor and the cover, away from the areas that are affected by water tightness. Suitable for the TP 52 and TPV 52 systems.

In order to ensure water tightness in the mullion-transom meeting points, CORTIZO façades offer two solutions:

Tear strip gaskets

Located inside the mullion with a crease that enables partial tearing in the meeting point with the transom, without leaving the union of the horizontal and vertical profile unprotected.

Vulcanized corner gasket

This piece is obtained through moulding, which allows the integration of the gaskets of different mullion and transom thickness and, at the same time, isolates the contact zone of the vertical and horizontal profiles.

Continuity piece

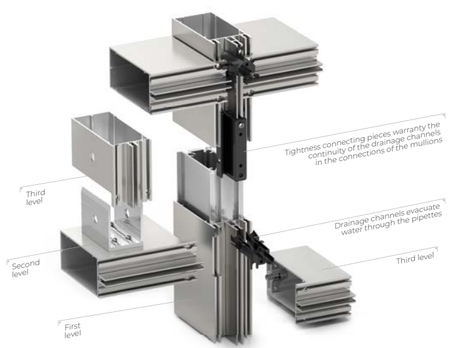
Pipette

Tear strip gaskets

Totally vulcanized corner

DRAINAGE LEVELS

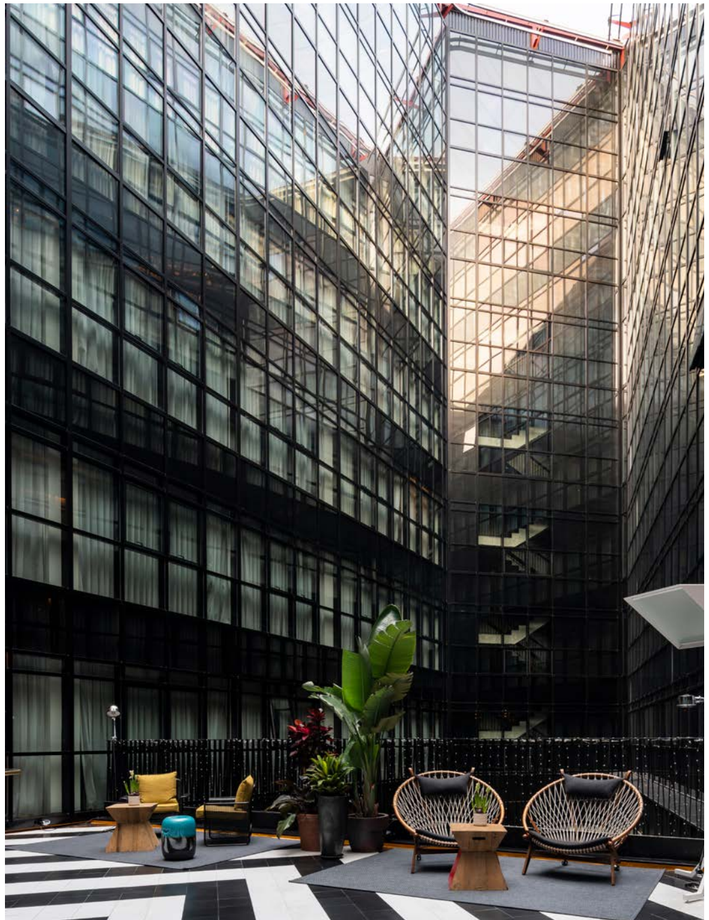
CORTIZO façades have been designed so that the drainage channels of mullions and transoms of different levels are found in different planes. By doing this, the possible condensations will be led from the transoms' outer channels to the mullions and, from there, towards the exterior through the continuity pieces and the pipettes.
These same channels are used, simultaneously, to internally ventilate the four sides of the glass.



ARCH INVISIBLE FACADES

New handle embedded into the profile

Minimalist design invisible from the frontal view.
Available for top hung and parallel openings in the CORTIZO façade systems TP, TPH, TPV, SG of 52 and 62 mm.



TP 52 FAÇADE

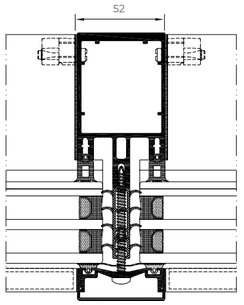
TP 52
FAÇADE

Light façade system composed of 52 mm mullions and transoms that form the support structure. The glass is fixed at its four sides by a continuous pressure profile that is externally screwed to the screw ports incorporated in the mullions and transoms, concealing the entire fixing system under an embellishing profile or cover with an interlock profile of 52 mm.

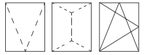
FEATURES		
Transmittance		Ucw ≥ 0,6 (W/m²K)
Air permeability		Class AE
Water tightness		Class RE1350
Wind resistance *		Passed

Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 2000 Pa-Security loading 3000 Pa

Glazing
Max. 64 mm, Min. 4 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Profile Thickness
Mullion 2,1 and 3,0 mm
Transom 2,1 mm
Thermal Break Zone
6, 12 and 30 mm stackable profiles
Cover
85 mm deep elliptical cover
H shape cover, 34 mm deep
Rectangular cover: 14, 19 100 & 145 mm deep
Flat cover
Pyramid shape cover, 155 mm deep
Minimum / Maximum opening dimensions
Hidden Top Hung:
Width (L) 2500 - 500 mm, Height (H) 2500 - 650 mm
Hidden Side Hung / Tilt & Turn:
Width (L) 1400-500 mm, Height (H) 1900-600 mm
Hidden Parallel:
Width (L) 1500-450 mm, Height (H) 3000-650 mm



OPENING POSSIBILITIES



Outward Opening

Hidden top hung
Hidden parallel

Inward Opening

Hidden side hung / tilt & turn

Maximum Weight
200 kg Parallel opening
180 kg Hidden top hung opening
100 Kg Tilt & turn opening
750 Kg Fixed glazing

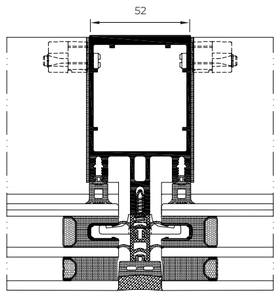
SG 52
FAÇADE

Curtain wall system with a glass only external aesthetic, this glass is fixed to the supporting profiles by a combination of clips and a U profile fitted into the glazing chamber.

FEATURES

Transmittance	Ucw ≥ 0,6 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE1500
Wind resistance *	Passed

Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 2000 Pa-Security loading 3000 Pa



Glazing
Max. 64 mm, Min. 6 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Profile Thickness
Mullion 2,1 and 3,0 mm
Transom 2,1 mm
Thermal break zone
6, 12 and 30 mm stackable profiles

Minimum / Maximum opening dimensions
Maximum Width (L) 2500 mm
Minimum Width (L) 500 mm
Maximum Height (H) 2500 mm
Maximum Height (H) 650 mm
Maximum Weight
180 kg Hidden top hung opening
750 Kg Fixed lights

OPENING POSSIBILITIES

Outward Opening
Hidden Top Hung

TPH 52
FAÇADE

Façade solution based on the combination of the TP 52 and SG 52 systems. The glass is fixed by the pairing of the pressure profile and the cover profile on the horizontal gaskets, and it uses clips and the U-profile for its vertical edge.

OPENING POSSIBILITIES

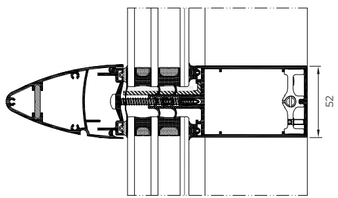
Outward Opening
Hidden Top Hung

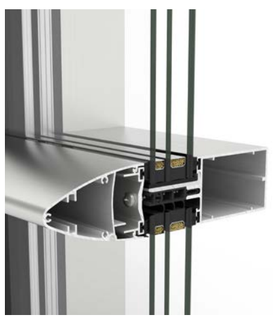
FEATURES

Transmittance		Ucw ≥ 0,6 (W/m²K)
Air permeability		Class AE
Water tightness		Class RE1500
Wind resistance *		Passed

Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 2000 Pa-Security loading 3000 Pa

Glazing
Max. 64 mm, Min. 6 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Profile Thickness
Mullion 2,1 and 3,0 mm
Transom 2,1 mm
Covers
Flat cover
Rectangular cover: 14, 19 100 & 145 mm deep
H shape cover, 34 mm deep
85 mm deep elliptical cover
Minimum / Maximum opening dimensions
Hidden Top Hung:
Maximum Width (L) 2500 mm
Minimum Width (L) 500 mm
Maximum Height (H) 2500 mm
Minimum Height (H) 650 mm
Maximum Weight
180 kg Hidden top hung opening
750 Kg Fixed lights





TPV 52
FAÇADE

Curtain wall system based on the combination of the TP 52 and SG 52 systems. The glass is fixed by the pairing of the pressure profile and the cover profile on its vertical edge, and it uses clips and the U-profile for the horizontal gaskets.

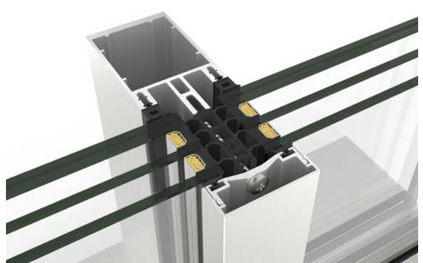
FEATURES

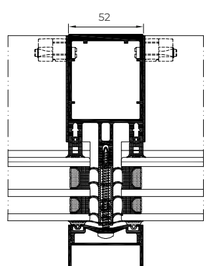
Transmittance	Ucw ≥ 0,6 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE1500
Wind resistance *	Passed

Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 2000 Pa-Security loading 3000 Pa

Glazing
Max. 64 mm, Min. 6 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Thermal Break Zone
6, 12 and 30 mm stackable profiles
Profile Thickness
2,1 and 3,0 mm
2,1 mm
Covers
Flat cover
H shape cover, 34 mm deep
Rectangular cover: 14, 19 100 & 145 mm deep
Maximum Weight
180 kg Hidden top hung opening
750 Kg Fixed lights

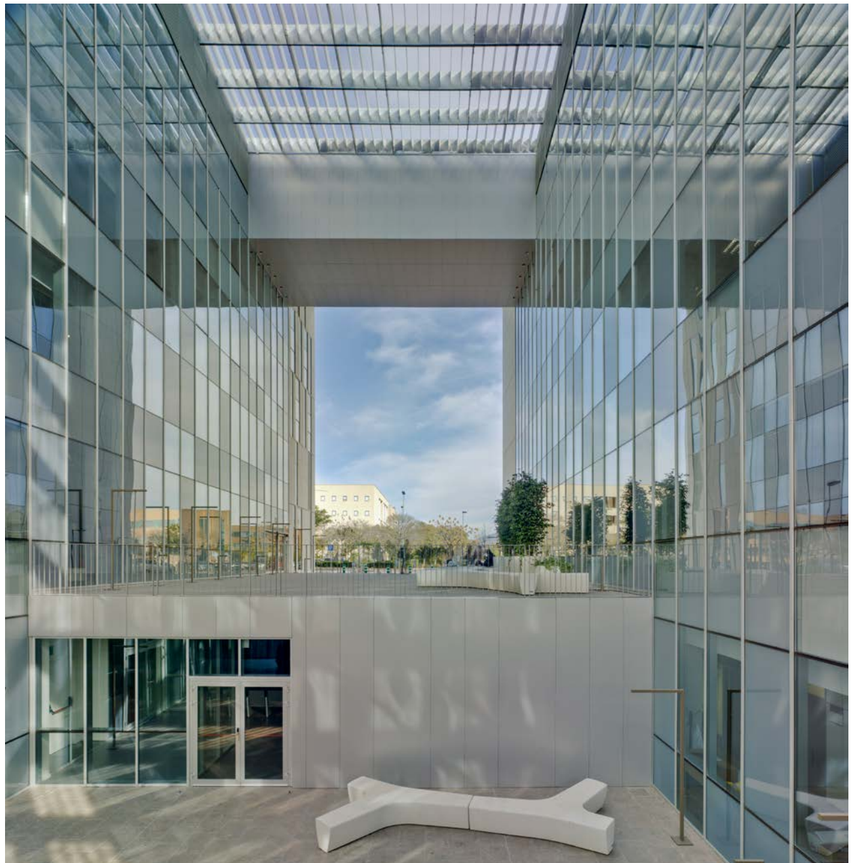
Minimum / Maximum opening dimensions
Top Hung Opening
Max. Width (L) 2500 mm, Min. Width (L) 500 mm
Max. Height (H) 2500 mm, Min. Height (H) 650 mm





OPENING POSSIBILITIES

Outward Opening
Hidden Top Hung



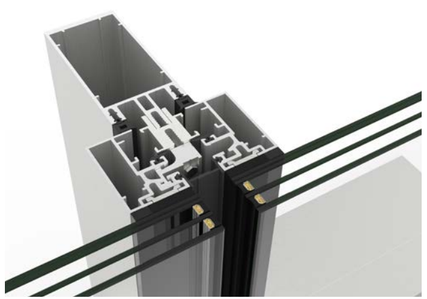
TPV 52 FAÇADE

ST 52
FAÇADE

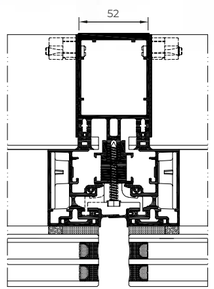
In this façade system, the glass is glued with structural silicone to an aluminium frame, which is then glued to the main structure. It has an open groove glass only external aesthetic with EPDM gaskets in the perimeter of each module in order to guarantee water tightness. An overlap closes the space between the gaskets.

OPENING POSSIBILITIES

Outward Opening
Hidden Top Hung



Glazing
Max. 38 mm, Min. 6 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Profile Thickness
Mullion 2,1 and 3,0 mm
Transom 2,1 mm
Maximum Weight
180 kg Top hung opening
350 Kg Fixed lights
Minimum / Maximum opening dimensions
Top Hung Opening
Max. width (L) 2500 mm, Min. width (L) 500 mm
Max. height (H) 2500 mm, Min. height (H) 650 mm



FEATURES	
Transmittance	Ucw ≥ 0,7 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE750
Wind resistance *	Passed

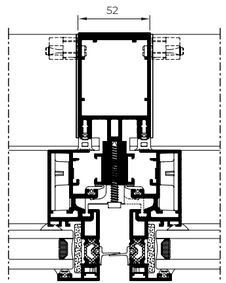
Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 2000 Pa-Security loading 3000 Pa

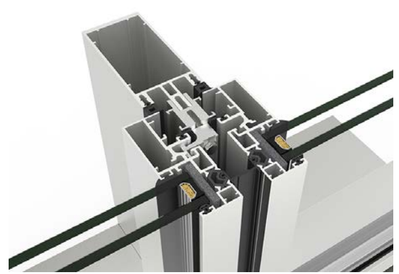
SST 52
FAÇADE

The glass is mechanically fixed to the aluminium frame with an external embellishing profile without the need of structural silicone as is the case in the TP 52 system. It also has an open groove external aesthetic, in this case by covering the glass with aluminium. The EPDM gasket is installed in the perimeter of each module, acting as a water tightness first line of defence. An overlap closes the space between the gaskets.

FEATURES	
Transmittance	Ucw ≥ 0,8 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE750
Wind resistance *	Passed

Reference test 3,00 x 3,50 m
Certification CWCT British Standard
* Design loading 1200 Pa-Security loading 1800 Pa





Glazing
Max. 28 mm, Min. 6 mm
Sightlines
Mullion 52 mm
Transom 52 mm
Thermal Break Zone
18 mm
Profile Thickness
Mullion 2,1 and 3,0 mm
Transom 2,1 mm
Maximum Weight
180 kg Top hung opening
350 Kg Fixed lights

Minimum / Maximum opening dimensions
Max. width (L) 2500 mm, Min. width (L) 500 mm
Max. height (H) 2500 mm, Min. height (H) 650 mm

OPENING POSSIBILITIES

Outward Opening
Hidden Top Hung

ST 52 FAÇADE

SST 52 FAÇADE

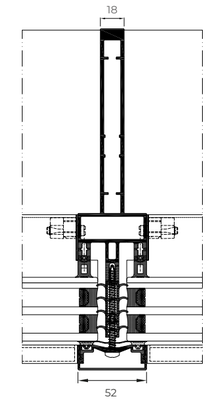
EQUITY
FAÇADE

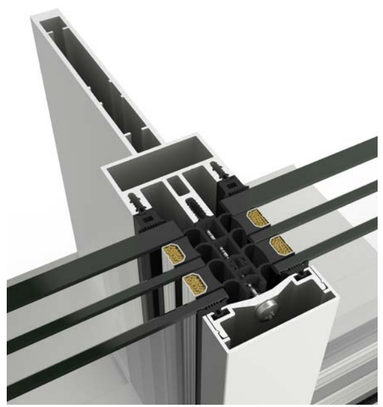
This system is characterised by a slim and minimalistic aesthetic with an interlock profile of only 18 mm both in mullions and transoms, which are also the same depth. This creates a flush mounting that provides the façade a uniform aesthetic.
The glazing of this curtain wall is compatible with the TP 52, TPH 52, TPV 52 and SG 52 series.

Transmittance	Ucw ≥ 0,6 (W/m²K)

Glazing
Max. 64 mm, Min. 4 mm
Sightlines
Mullion 18 mm
Transom 18 mm
Profile Thickness
2,6 mm (Mullion and Transom)
Covers
Flat cover
85 mm deep elliptical cover
H shape cover, 34 mm deep
Rectangular cover: 14, 19 100 & 145 mm deep
Pyramid shape cover, 155 mm deep

6, 12 & 30 mm stackable thermal break profiles





VERANDA

Gable or hipped roofing system comprised of flush mullions and transoms for 1st, 2nd, and 3rd level that allow for different drainage levels, guaranteeing perfect outflow of water, ventilation and water tightness.

Possibility of motorized top hung opening in roof areas.
This skylight system allows for an easy integration of our veranda systems, our hinged windows or our sliding window/door systems.

OPENING POSSIBILITIES

Outward opening
Motorized top hung

FEATURES

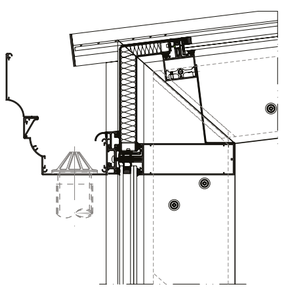
Transmittance	Ucw ≥ 0,6 (W/m²K)
Air permeability	Class AE
Water tightness	Class RE1350
Wind resistance *	Passed

Reference test 3,00 x 3,50 m
* Design loading 1200 Pa-Security loading 1800 Pa

PROJECTING OPENING TEST

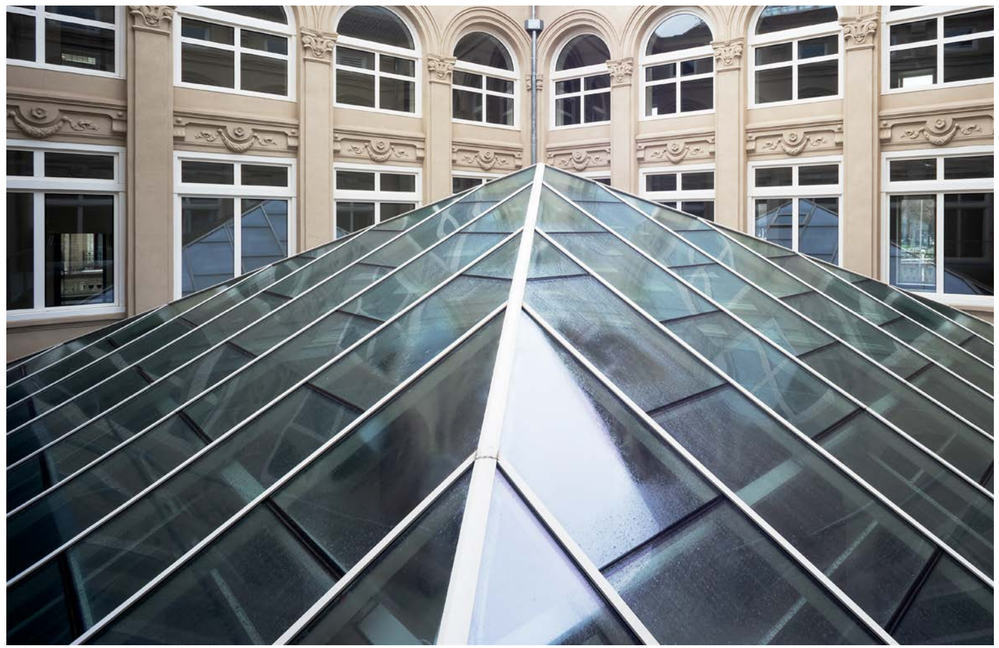
Air permeability	Class 4
Water tightness	Class E2100
Wind resistance	Class C5

Window reference test 1,23 x 1,14 mm / 1 sash



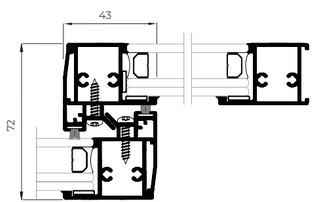
Sightlines
Mullion 52 mm
Transom 52 mm
Profile Thickness
2,1 & 3,0 mm
2,1 mm
Glazing
Fixed lights:
Max. 38 mm, Min. 26 mm
Window roof:
Max. 38 mm, Min. 24 mm
Minimum incline/slope Pt: 12% (7°)
Maximum incline/slope Pt: 85% (40°)

VERANDA



SLIDING ROOF

Sliding and automatic enclosure system that allows the opening and closing of a roofed area, allowing to enjoy the fresh air or a roofed space depending on the circumstances. This solution grants a 66% maximum opening of the span, featuring, in addition, a notable thermal and acoustic comfort thanks to its glazing capacity of 24 mm and the installation of solar control glass. CORTIZO's Sliding Roof is equipped with a series of complementary profiles that adjust the enclosure's water collection and drainage, thus guaranteeing the system's maximum water tightness.



Sightlines
Frame 133 mm
Sash 28 mm
Profile Thickness
Sashes 1,5 mm
Glazing
Cellular polycarbonate 25 mm
Sandwich panel 24 mm
Glass 24 mm (4 tempered / 12 / 4+4)

Maximum Sash Dimensions
Width (L)
2300 mm (polycarbonate and sandwich panel)
1200 mm (glass)
Height (H) 1600 mm
Maximum Sash Weight:
75 Kg

OPENING POSSIBILITIES

Outward Opening
2 sashes and 1 fixed module and multiple falls

Maximum Span Opening: 66%
Incline/Slope: 8,5% (15°)
Roof Distance
Max. 4800 mm, Min. 3100 mm
Roof Width
Unlimited when joining modules
Motorised sash opening

Roof system watertightness test: Class APT
During the 6 hr. test, end of test and 24 hrs. following the same, no drips or humidity were detected in the enclosed area
Reference test: 4300 x 4160 mm in 3 adjustable rows, 9 sashes and 4 / 12 / 4+4 glass

SLIDING ROOF

contemporary enclosures

interior divisions systems

PW80 **OFFICE PARTITION WALL**

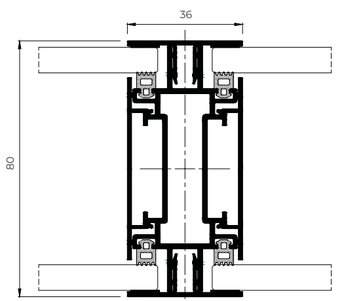
PW 80

Office Partition Wall

Designed to divide interior spaces, available in glass and panel version.
This solution allows the integration of side hung doors and venetian blinds.

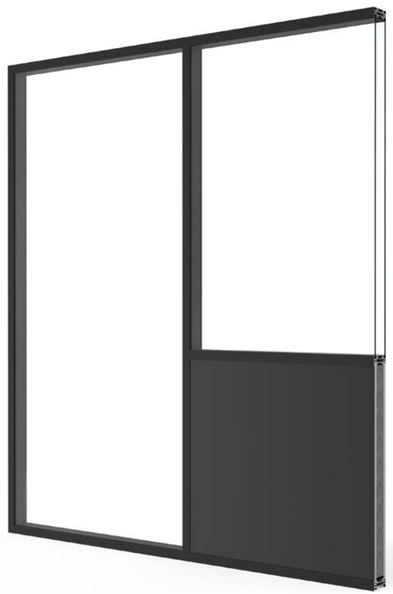
FEATURES	
Acoustic insulation	Rw up to 48 dB
Mechanical Performance	Category IV

Category IV reference test according to section 2.2.6 of EAD 210005-00-0505



Sections
80 mm (mullion)
Profile thicknes
1,5 mm (mullion)
Sightlines
12 / 24 / 36 mm
Panel
10 - 20 mm
Glazing
6+6, 8+8, 10+10, 12+12 mm
Máx. weigh
40 kg
Opening possibilities
8 and 10 mm Glass side hung door
40 mm Panel side hung door

Consult maximum weight and dimensions according to typologies

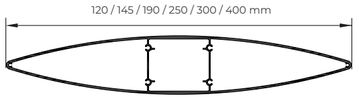


contemporary
enclosures

solar protection systems

SOLAR PROTECTION
LOUVRES

Efficient solution for solar ray incidence control in the building's interior temperature. Solar radiation is absorbed and reflected by these external louvres, facilitating energy efficiency and decreasing the need for artificial refrigeration. In addition, they serve as a decorative element bringing an avant-garde aesthetic to the façade.



Louvre type

Fixed: Regulation 0°, 15°, 30° or 45°.

Adjustable: Motorized and manual.

Louvre size	Max recommended length to fixed louvres	Maximum recommended length to adjustable louvres
120 mm	1,8 metres	
145 mm	2,2 metres	1,9 metres
190 mm	2,5 metres	2,4 metres
250 mm	3,0 metres	3,0 metres
300 mm	3,5 metres	3,4 metres
400 mm	4,2 metres	4,0 metres

Depending on project specifications a larger free louvre length will be attainable (Consult)

Profile Thickness

Louvres	Thickness
120 mm	1,25 mm
145 mm	1,35 mm
190 mm	1,70 mm
250 mm	1,90 mm
300 mm	2,00 mm
400 mm	2,50 mm

Wind load resistance
Class 6 (max.)

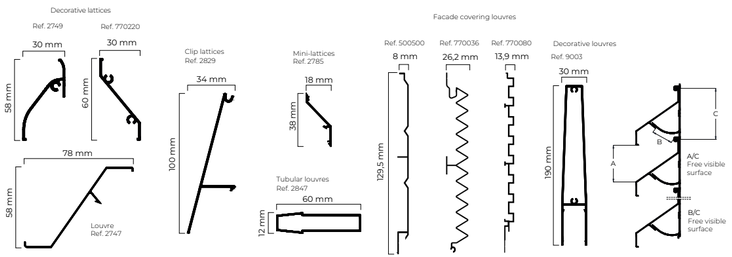
Reference test

Louvres	Length
120 mm	1,8 metres
145 mm	2,0 metres
190 mm	2,5 metres
250 mm	3,0 metres
300 mm	3,5 metres
400 mm	4,2 metres

Test carried out according UNE 1932

LATTICES
DECORATIVE LOUVRES

Extruded aluminium slats designed to configure a double skin in external enclosures that allow to sieve the light facilitating air circulation.



Wind load resistance

Lattice: UNE 13659 Class 6 (max.)

test reference 2.0 metres

Mini-lattice: UNE 13659 Class 5

Test reference 1.3 metres

Tubular louvres: UNE 13659 Class 6 (max.)

Test reference 1.3 metres

Test carried out according to -UNE 1932

Louvre type	Max. recommended free length	A/C	B/C
Lattices (Ref. 2747)	2,0 metres	71%	44%
Decorative lattices (Ref. 2749)	1,5 metres	62%	34%
Clip lattices (Ref. 2829)	2,0 metres	100%	24%
Mini-lattices (Ref. 2785)	1,3 metres	55%	39%
Tubular louvres (Ref. 2847)	2,0 metres	76%	-
Decorative louvres (Ref. 9003)	1,0 metres	86%	-
Façade covering louvres (Ref. 500500)	-	-	-
Façade covering louvres (Ref. 770036)	-	-	-
Façade covering louvres (Ref. 770080)	-	-	-

SOLAR PROTECTION **LOUVRES**

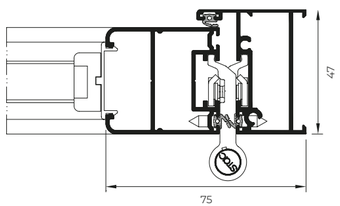
LATTICES
DECORATIVE LOUVRES

TAMIZ

Side hung, sliding or bifold shutter system with fixed or adjustable louvres.

FEATURES	
Thermal resistance of the shutter and the thermal chamber	ΔR= 0,08 (m²K/W)
Wind resistance	Class 5

Reference test 1,50 x 1,50 m / 2 sashes



Sightlines
Frame 47 mm
Sash 40 mm
Profile Thickness
Window 1,3 mm
Door 1,5 mm
Maximum Sash Weight
Side hung 65 kg
Bifold 50 kg
Sliding 120 kg

Maximum Sash Dimensions
Side hung:
Width (L) 1600 mm, Height (H) 2500 mm
Bifold:
Width (L) 700 mm, Height (H) 2500 mm
Sliding:
Width (L) 2000 mm, Height (H) 3500 mm

Transmittance
Uw window transmittance
Uws transmittance of the window-shutter system

Uw(W/m²K)	Uws(W/m²K)
0,8	0,75
1,0	0,93
1,2	1,09
1,4	1,26
1,6	1,42
1,8	1,57
2,0	1,72
2,2	1,87
2,4	2,01
2,6	2,15
2,8	2,29
3,0	2,42
3,2	2,55

Closing possibilities
Closing with fixed or adjustable louvres
Opaque closing (sandwich panel)
Glazed closing

OPENING POSSIBILITIES

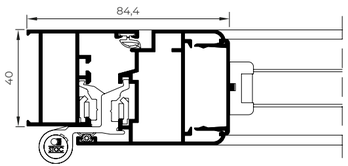
Side hung
Sliding
Bifold

MALLORQUINA

Side hung shutter system with fixed or adjustable louvres

FEATURES	
Thermal resistance of the shutter and the thermal chamber	ΔR = 0,08 (m²K/W)
Wind resistance	Class 5

Reference test 1,50 x 1,50 m / 2 sashes



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2,4	2,01
2,6	2,15
2,8	2,29
3,0	2,42
3,2	2,55

Uw window transmittance
Uws transmittance of the window-shutter system

OPENING POSSIBILITIES

Side hung of 1, 2, 3 and 4 sashes

Sightlines
Frame 40 mm
Sash 48 mm
Profile Thickness
Window 1,3 mm
Door 1,4 mm

Maximum Sash Weight
75 Kg
Maximum Sash Dimensions
Width (L) 1500 mm
Height (H) 2400 mm

contemporary enclosures

balustrading systems

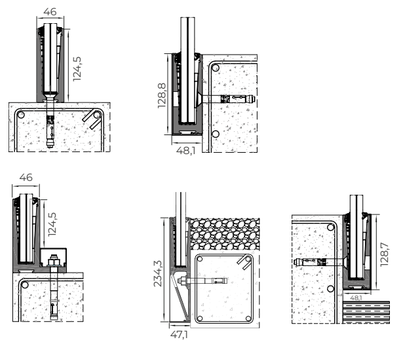
BALUSTRADE

View Crystal / View Crystal Plus

Enjoy excellent views without any visual obstacle thanks to this balustrade system based on a “U” shaped aluminium profile on which laminated safety glass is fixed. Possibility of led strip illumination and drainage solution for exposed areas. Option of aluminium embellishing profile on the upper edge.

VIEW CRYSTAL: Resists a load of 1,0 kN/m applied at 1,1 metres from its bottom part. Suitable for use in areas A1, A2, B, C1, C2, D1, D2, G1 and G2, included in the CTE DB SE-AE, and A, B, C1, C2, C3, C4, D and E, in accordance with Eurocode 1.

VIEW CRYSTAL PLUS: Resists a load of 3,0 kN/m. Suitable for use in all areas from CTE DB SE-AE and areas A, B, C1, C2, C3, C4, C5, D and E, in accordance with Eurocode 1.



Assembly Possibilities

Over slab
Flush over slab
Edge slab
Inverted edge slab
Flush with the slab
Flush with the pavement

Maximum Height

1100 mm

LAMINATED GLASS COMPOSITIONS

10-1,52-10	10-1,14-10	10-0,76-10	10-0,38-10
8-1,52-8	8-1,14-8	8-0,76-8	8-0,38-8
6-1,52-6	6-1,14-6	6-0,76-6	6-0,38-6

Tests according to standards UNE 85237, UNE 85238 and UNE 85240. Established requirements in CTE (DB SU-1 and DB SE-AE) And established requirements in Eurocode 1 according to EN 1991-1-1/AC

Static horizontal test towards the exterior
Static horizontal test towards the interior
Dynamic test with mild object
Dynamic test with hard object
Verification of section 3.2 of DB-SE-AE of CTE
Verification of the specifications of the Eurocode 1 according to table 6.12 for use categories of 3kN/m

Clasification according to UNE 85240, Class A-Excellent

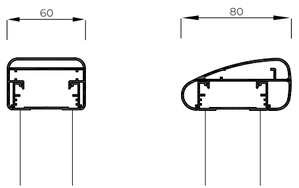
Reference test on balustrade with glass and extruded aluminium, fixed to the slab edge with (H) 1100 X (L) 1500 mm of total dimensions above ground level
Reference test on balustrade with glass and extruded aluminium, fixed over the slab with (H) 1100 X (L) 1500 mm of total dimensions above ground level.

VIEW CRYSTAL BALUSTRADE

BALUSTRADE

Classic

Traditional balustrade system with bar or glass aspect.
Possibility of fixing to slab or to the edge of the slab.



Possibilities
Glass balustrading
Glass balustrading with free top edge
Bar balustrading
Bar balustrading with free top edge

Handrail Possibilities
Square - 60 mm width
Circular - 66 mm diameter
Elliptical - 80 mm external perimeter

Maximum Dimensions Between Pilasters
1000 mm

Minimum Height
900 mm

Tests according to standards UNE 85237, UNE 85238 and UNE 85210.
Requirements established in CTE (DB SU-1 and DB SE-AE)

Static horizontal test towards the exterior
Static horizontal test towards the interior
Static vertical test
Dynamic test with mild object
Dynamic test with hard object
Verification of section 3.2 of DB-SE-AE of CTE
Security test

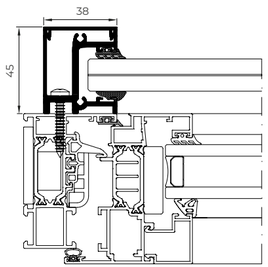
Clasification according to UNE 85240, Class A-Excellent

Reference test on glass balustrading at a total height of (H) 1100 x (L) 2450 mm and 3 pilasters.
Reference test on bar balustrading with top free edge of (H) 1100 x (L) 2000 mm and 3 pilasters.

JULIET

Balcony

Balustrading solution for installation on the exterior of the carpentry by means of concealed fixings, allowing for the total opening of balconies without the risk of falling.



Maximum width
1800 mm

Classification according to UNE 85240, Class A-Excellent
Reference test on glass and extruded aluminium balustrade of (H) 1200 x (L) 1800 mm.

Tests according to standards UNE 85237, UNE 85238 and UNE 85240. Requirements established in CTE (DB SU-1 AND DB SE-AE) and in Eurocode 1 according to EN 1991-1-1 for use category of up to 1,6 KN/m.

Static horizontal test towards the exterior.
Static horizontal test towards the interior.
Static vertical test.
Dynamic test with mild object.
Dynamic test with hard object.
Verification of section 3.2 of DB SE-AE of CTE.
Security test.

LAMINATED GLASS COMPOSITIONS	
8-1,52-8	6-1,52-6
8-1,14-8	6-1,14-6
8-0,76-8	6-0,76-6
8-0,38-8	6-0,38-6

JULIET
BALCONY

contemporary
enclosures

accessories

STYLISH
HANDLE

The new Stylish handle presents a simple design, with more accentuated lines and **stylish aesthetics for dressing in style** the CORTIZO windows, balconies and doors.

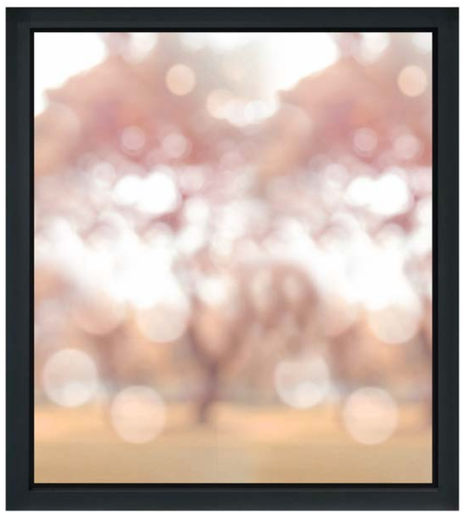
WINDOW HANDLE

OFFSET HANDLE

HANDLE WITH KEY

Design with slim backplate
Version for external, internal and PVC assembly
Available in window and door version
Quick setting-up
Available in the full powder-coating range

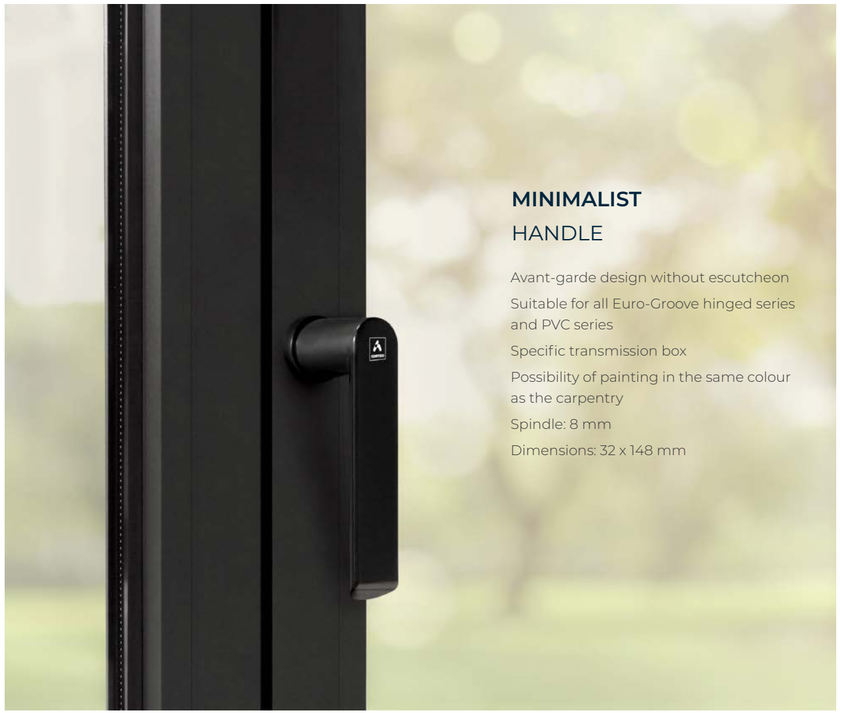
DOOR HANDLE



ARCH INVISIBLE
HANDLE

Exclusive handle integrated within the sash, imperceptible from the frontal view

Compatible with the COR 80 Hidden Sash and COR 70 Hidden Sash systems
Ergonomics, robustness and easy handling in the opening and closing operations
Ideal for combination with concealed hinges, achieving a totally clean aesthetic
Dimensions 27.5 x 234 mm

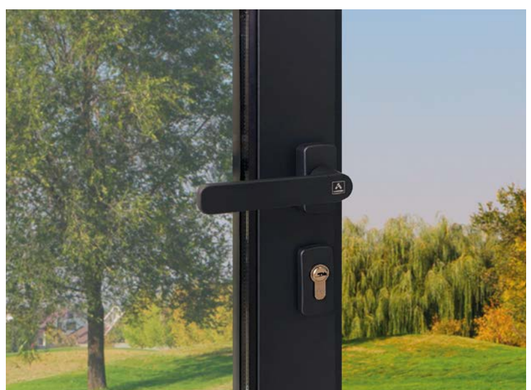


MINIMALIST
HANDLE

Avant-garde design without escutcheon
Suitable for all Euro-Groove hinged series and PVC series
Specific transmission box
Possibility of painting in the same colour as the carpentry
Spindle: 8 mm
Dimensions: 32 x 148 mm

CORTIZO
HANDLE

Reduced escutcheon design
Adaptability to transmission box and multilock system
Concealed hardware
Spindle: 7 mm
Dimensions 32 x 148 mm



CORTIZO
DOOR HANDLE

Reduced escutcheon design
Opening to the right and to the left versions
Suitable for exterior and interior assembly
Available in door version
Concealed hardware
Spindle: 8 mm
Dimensions 32 x 148 mm

INOX HANDLE

Reduced escutcheon design
Adaptability to transmission box and multilock system
Available in door version
Concealed hardware
Spindle: 7 mm
Dimensions: 31 x 135 mm

SIRIUS
HANDLE

Curved aesthetics
Design with a reduced escutcheon
Suitable for multipoint lock
Available for windows or doors
Spindle: 7 mm
Dimensions: 32 x 155 mm

CORTIZO CREMONE
WITH KEY

Maximum security
3 locking positions: full lock, tilt only and tilt and turn
Dimensions: 33 x 190 mm

REMOVABLE
CORTIZO CREMONE

Easy assembly
Handle clipped on the escutcheon
Possibility of removing the handle in any position
Maximum durability
Dimensions: 33 x 173 mm

ART INFINITY
PULL HANDLE

Suitable for high traffic and large dimension doors
Straight or curved design
Dimensions: 450 x 50 mm

LIFT & SLIDE
HANDLE

Avant-garde aesthetic
Exclusive to systems 4600 and 4500 Lift & Slide
Versions with or without key
Multiple combinations: handle / handle handle / finger pull
Tested to 25,000 cycles
Spindle of 10 mm
Dimensions: 37 x 290 mm

CORTIZO OFFSET
HANDLE

Handle specially designed for sliding systems
Reduced escutcheon
Suitable for exterior and interior
Spindle: 7 mm
Dimensions: 32 x 158 mm

VISION SECURITY
LOCK

Key lockable
Integration of the locking system in the profile with minimalist aesthetics
Up to 4 locking points
Dimensions: 36 x 260 mm

FLUSH **VISION SECURITY** LOCK

Key lockable
Lock flush with the profile
Up to 4 locking points
Dimensions: 36 x 260 mm

VISION SECURITY
MINI LOCK

Straight aesthetics in line with the minimalist style of the system
Dimensions: 26 x 92 mm

VISION
CENTRAL LOCK

Suitable for the COR VISION and COR VISION PLUS systems
Integrated in the interlock profile
It allows to conceal the lateral sashes
Dimensions: 450 x 50 mm

CORTIZO HD
HARDWARE

Hinge specially designed for large dimensions such as floor to ceiling solutions

3D regulation

Maximum dimensions: 1200 x 3500 mm*

Maximum weight/sash: 160 Kg

* For window configurations of large dimensions and weight, consult with the Cortizo Architecture and Engineering Department.

EVO soft 160

SPECIAL **HARDWARES**

EVO SOFT
HARDWARE

3D regulation. All locking points are adjustable

Closing force up to 50% less than traditional hardware

Possibility of multiple locking points

All sliding elements incorporate a clip to eliminate unnecessary gaps

Maximum weight/sash: 120 Kg

For window configurations of large dimensions and weight, consult with the Cortizo Architecture and Engineering Department

EVO soft

EVO SOFT CLX 160 KG
HARDWARE

3D regulation. All locking points are adjustable

Closing force up to 50% less than traditional hardware

Possibility of multiple locking points

All sliding elements incorporate a clip to eliminate unnecessary gaps

Maximum weight/sash: 160 Kg

For window configurations of large dimensions and weight, consult with the Cortizo Architecture and Engineering Department

EVO soft 160

EVO SECURITY
HARDWARE

High security hardware

Mushroom security cams with tightness adjustment and anti-theft locks

protection against breakage and robbery

Possibility of up to 14 locking points

EVO security


CORTIZO