
Ventanar®

Ventanar®

PRODUCT CATALOG

VENTANAR is a Colombian company with global projection. Serving the aluminum curtain wall and window market since its origins in 1.980 to present, it has established itself as one of the leading companies for the engineering and manufacturing of architectural facades, participating in major projects nationwide.

Ventanar offers from conceptual design to the development of detailed engineering, manufacturing and assembly of mainly glazed facades and other complementary products for the building envelope as ceramic, aluminum composite panel and phenolic panel, succeeding in giving architects the freedom to design projects without limits, similar to those seen in big cities around the world, while achieving the bioclimatic, acoustic and aesthetic requirements that the project design team may need. Furthermore, VENTANAR offers a technical proposal for a system and product that comply with the requirements and norms, while maintaining or improving the performance of the requested product, thus offering value engineering.

From its production plant located in Giron Santander, VENTANAR is strategically located reaching national coverage and competitive times and post sales service, added to the quality of a 100% colombian product.

VENTANAR includes in its portolio 100% factory assembled UNITIZED facade systems, allowing better finishes and extra-fast supply, with a productive capacity of up to 300m²/day. These modular prefabricated systems correspond to the fifth generation of facades developed worldwide.

VENTANAR has developed its exclusive windows and doors line for housing and hospitality markets, with high performance sealing and tightness for water and air respectively, achieving the perfect balance between performance and aestethic quality in their products, offering as well special sound attenuation products for hotels, rated up to STC51.

Due to the high production demand, VENTANAR initiated its internal expansion prcocess, with the construction of two new production warehouses for the manufacturing of curtain walls, as well as coating and logistics management of its aluminum extrusions, including an automatic powder coating line that uses non-polluting and latest technolgy machinery in order to process its curtain walls, increasing its installed capacity significantly and allowing the company to set up as a major brand in the sector worldwide.

Andrés Novoa Pineda
Presidente

PRODUCT LINES

CORPORATE LINE

Svelte 50 curtain wall (stick system)
Modular prefabricated curtain walls (Unitized system)
Ventilated (alucobond, porcelain, phenolic panel)
Structural glass curtain walls (fin glass)
Automatic doors (DITEC)
Fixed and operable sun shades
Structural balustrades
Bullet proof windows

RESIDENTIAL LINE

High end European systems for windows and doors
Shower glass enclosures
Economic window systems
PVC window systems
Handrails and balcony glass enclosures
Manual and motorized retractable insect screens.

14.350 m² Production Plant in Giron Santander

Testing laboratory

Main entrance

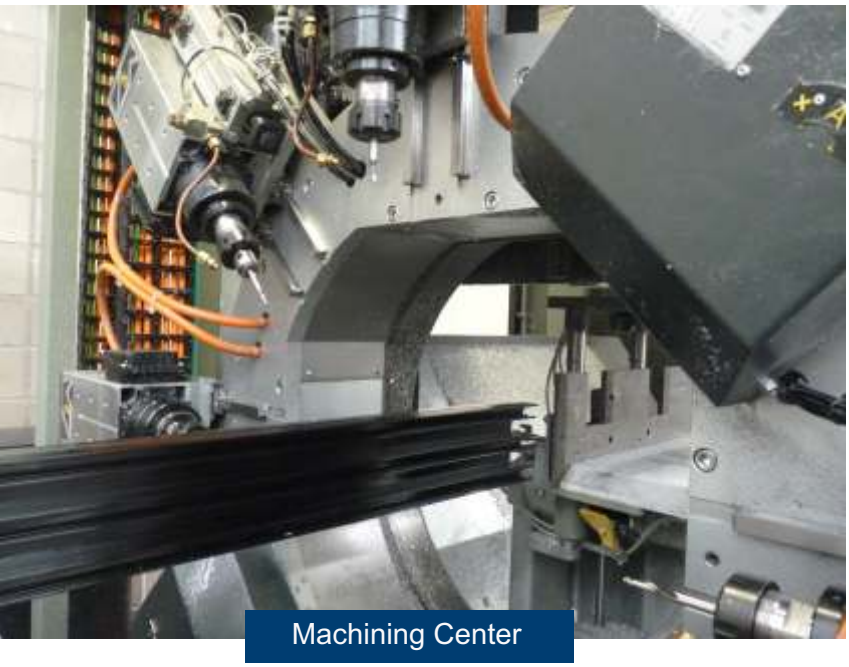
Production Plant

Machining center

Double mitre sawing machine

Quadra L1 Machining Center

Curtain wall system machining and manufacturing
Up to 17 modules per hour
Milling, drilling and cutting operations for aluminum profiles in one step.
High performance operations
3 axis cutting CNC disk
12 axis work station
4 axis machining module



Machining Center

Cutting center

Quadra L1

Electrostatic powder coating plant

Variety of finishes
No tone changes
Resistance to the attack of corrosive substances during the construction process
Ease for retouches and reprocesses
Certified coating and process: Total warranty
Eco-friendly processes

Curing Oven

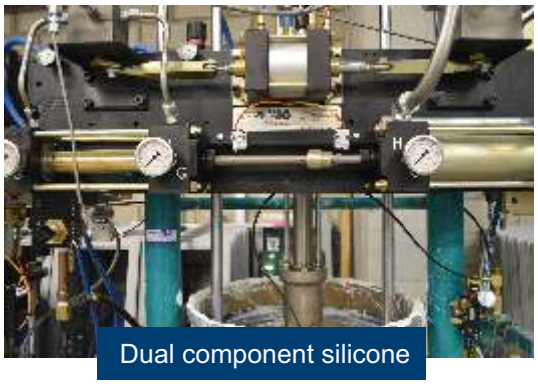
Controlled pretreatment

Automatic powder coating line

Coating booths

Curtain wall manufacturing plant

Production and manufacturing of curtain walls.
Dual component structural silicone application



Dual component silicone

Glass storage

Electric suction cups

Manufacturing plant

EXPANSION PROJECT
IN GIRON SANTANDER

Ventanar started the expansion of its facilities with the construction of two warehouses dedicated to the new automatic powder coating line for aluminum extrusions and the Unitized modular curtain wall production line, finishing the first stage of this project in june 2016.

The 2.800 m^2 automatic powder coating line warehouse, has a controlled inmersion pretreatment system, essential to the coating's adherence and life expectancy, a continous automatic electrostatic powder coating application line and curing oven with inframix technology (infrared and convection) in order to warranty a durable finish. The new 3.660 m^2 Unitized curtain wall production warehouse counts with the latest technology equipment including the 12 axis cutting and machining center QUADRA L1, a stainless steel accesory machining line, and application equipment for structural dual component silicone. This plant has a 3 shift capacity.

The expansion project will conclude with the construction of the furniture office production plant ARKETIPO, currently located in Bucaramanga.

A Actual production plant-7.885 m²
B Aluminum storage and coating plant - 2.793 m²
C Unitized curtain wall production plant - 3.660 m²
D Arketipo: Furniture plant - 1.969 m²

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Curtain Wall Systems

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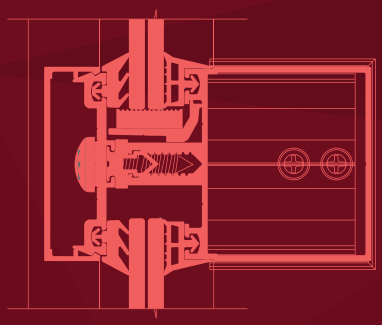
SVELTE 50



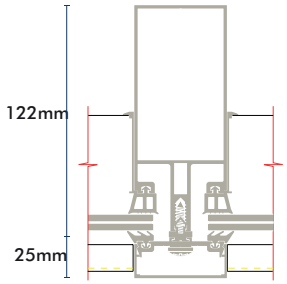
Xavierian University | Bogotá D.C.

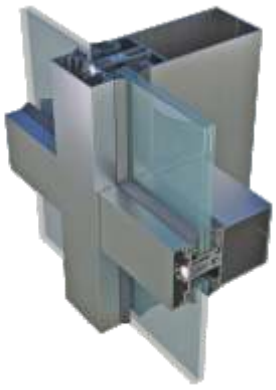
Stick curtain wall system, with controller pressure chamber (isobaric chamber), corresponding to the fifth generation of wordwide developed curtain walls. It is composed by cut to lenght and machined in factory transoms and mullions, connected by the use of internal unions, which are assembled to the mullion, guaranteeing water conduction. Additionally, the EPDM or silicone gasket system reduces the on-site sealant use, providing a high installation rate.

SVELTE 50

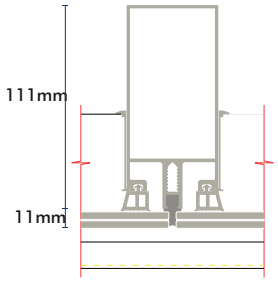
Each module is fully assembled and installed with Ss304 stainless steel screws. The tridimensional anchorage system allows the curtain wall to support +/- 25 mm plumbness tolerances, +/- 6mm in level alignment and +/-40 mm vertical misalignment, reducing and facilitating levelling works done in the construction site, resulting in fast and optimal solutions to any installation requirement and allowing tridimensional levelling of the facade.

CLASSIC

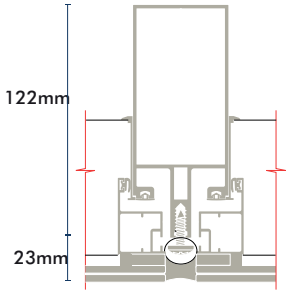




HIDDEN MULLION



SILICONE GLAZED



The profiles are sealed each other by a gasket system which controls the water entrance and conduction to the exterior weeping system, providing R650 level for water penetration in curtain walls, according to ASTM E331 and EN 12208 and C3 level for structural performance according to ASTM E330 and EN 12207.

The simply supported anchorage system allows the facade to resist any building drift in case of seismic forces. Thanks to its performance, the product is catalogued as SUPERIOR according to the NSR-10 chapter A.9.

Firestop

Anchorage system

The UL certified firestop system meets the NFPA 5000 requirements: thermal rockwool protection plates (120 kg/m density) and minimal 2” thickness, installed between the building slabs.

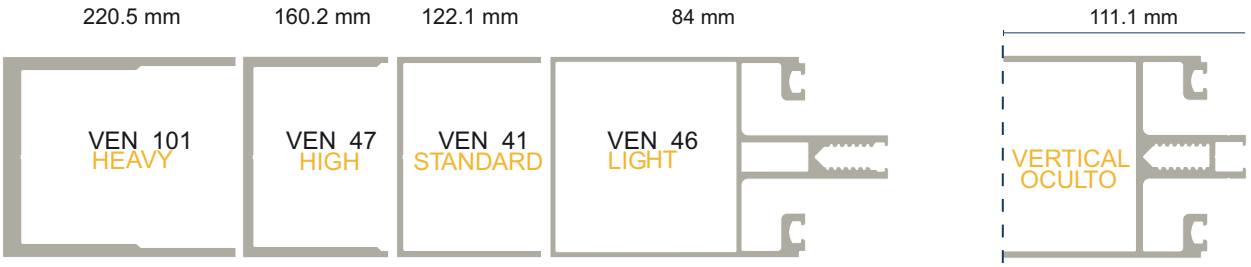
Smoke-tight system with rockwool ribbon with minimal vertical 4” section (101.6 mm) located horizontally and sealed with elastomer putty against the slab, which activates at temperatures above 120°C, meeting the NSR-10 chapter J requirements.

SVELTE 50

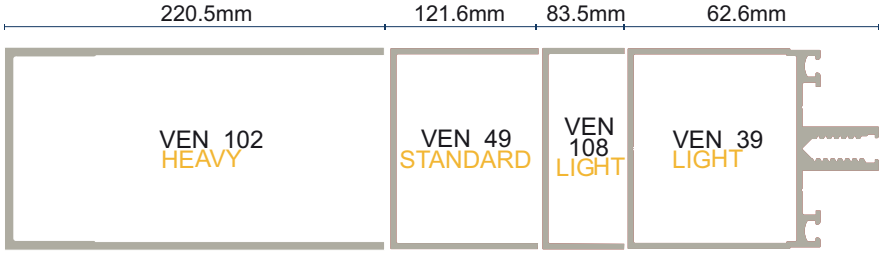
PROFILE OPTIONS

The Svelte 50 curtain wall system allows the use of different transoms and mullions, obtaining the same weather and structural performance, with different configurations, in order to achieve up to 2.0 kN/m2, windloads in 5.30 m heights, becoming an architectural design friendly solution.

Mullions



Transoms



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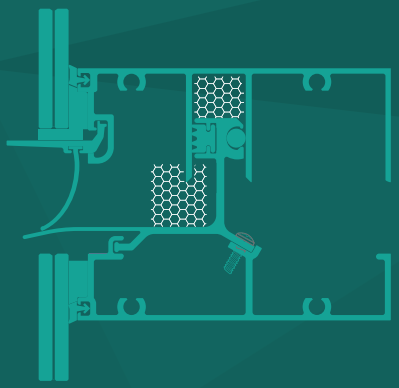
UNITIZED



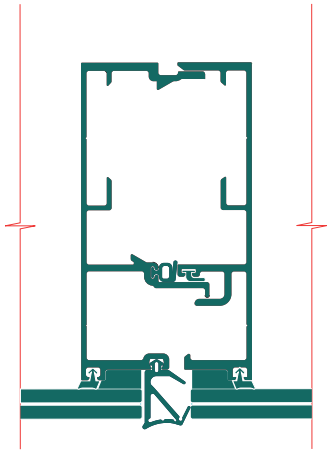
CMO - HIC | Floridablanca

Unitized preglazed modular systems, are directly glazed to the aluminum frame using sealant or mechanical fixation. This system includes a pressure controlled chamber (isobaric chamber) using the rainscreen principle (drainage system and moisture barrier) to conduct water, and a high performance silicone gasket system, reducing on-site sealant use. The installation process is three times more efficient compared to traditional systems. Each module is fully assembled and installed with SS 304 stainless steel screws.

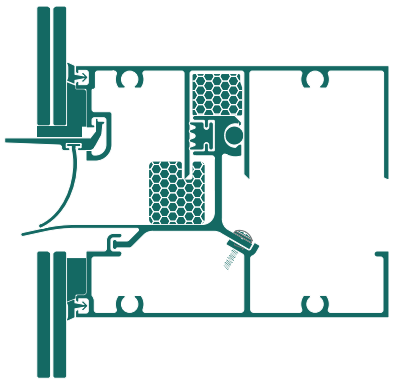
UNITIZED

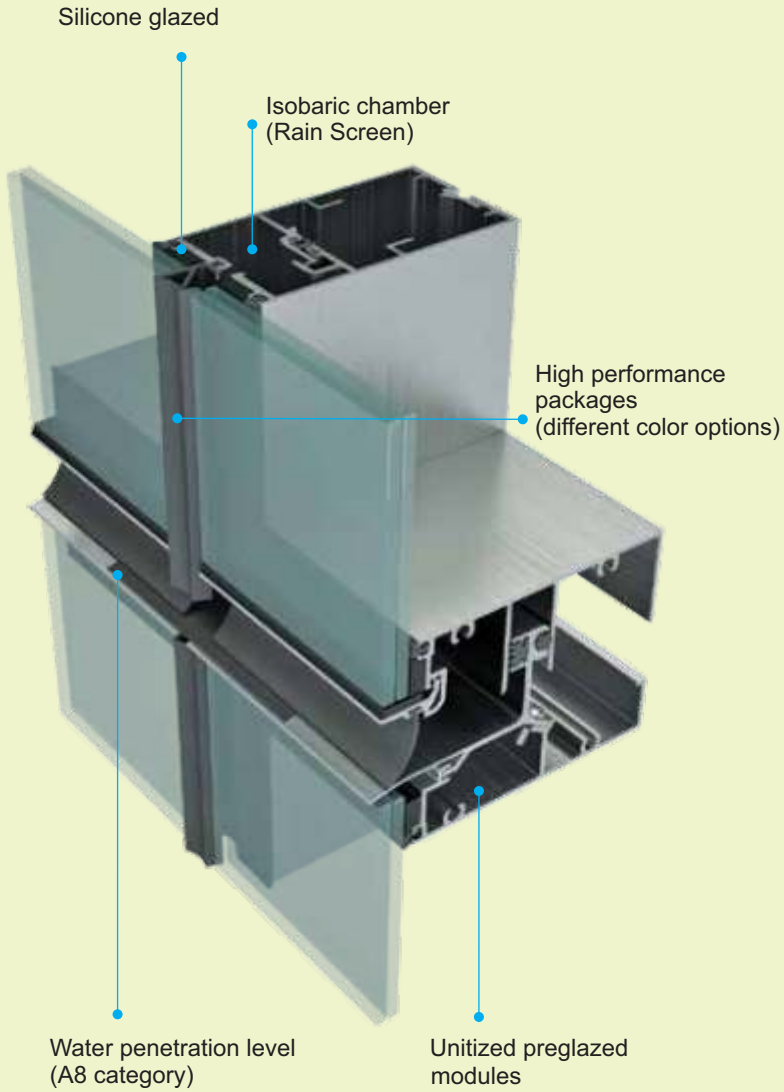
Each module is fully assembled and installed with SS304 stainless steel screws. The tridimensional anchorage system allows the curtain wall to support +/- 25 mm plumbness tolerances, +/- 6mm in level alignment and +/- 40 mm vertical misalignment, reducing and facilitating leveling works done in the construction site, resulting in fast and optimal solutions to any installation requirement, and allowing tridimensional leveling of the facade.

Mullion



Transom

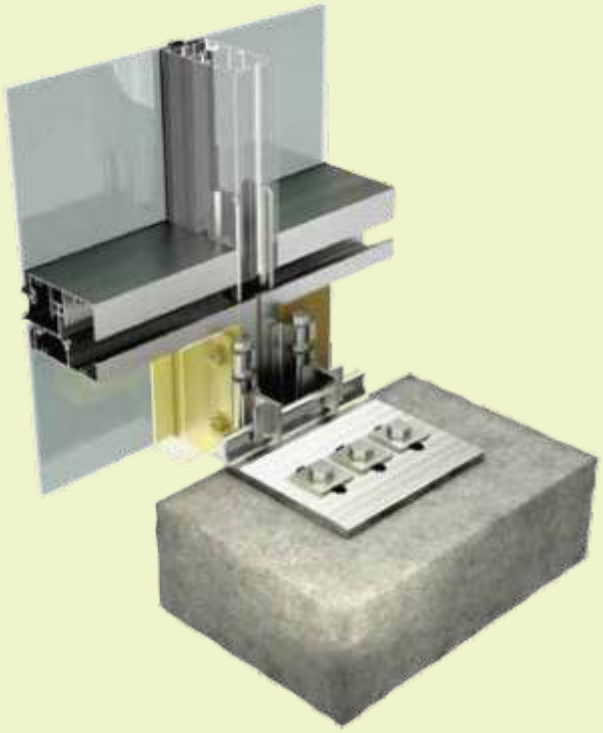


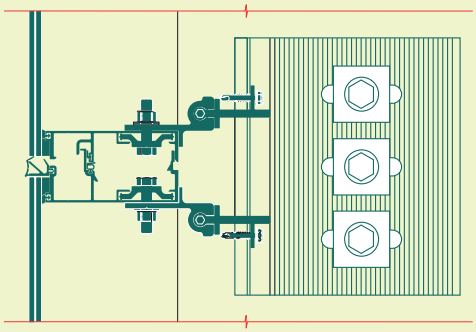


The vertical couplings in each module are sealed each other by a gasket system which controls water penetration and conduction, providing A8 level for water penetration in curtain walls according to ASTM E331 and EN 12208 for over 600 Pa, and C3 structural performance according to ASTM ED 330 and EN 12207 for over 660 Pa. These values provide an excelent product performance, reducing future mainteinance requirements.

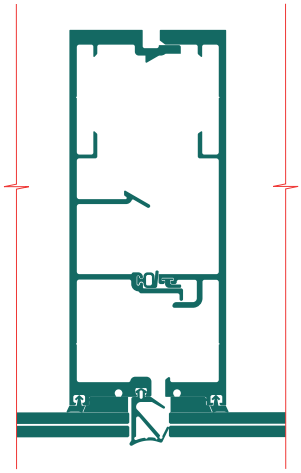
UNITIZED

The simply supported anchorage system allows the facade to resist any building drift in case of seismic forces. Thanks to its performance, the product is catalogued as SUPERIOR according to the NSR-10 chapter A.9.

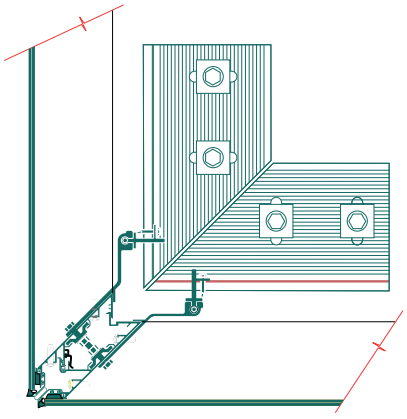




Heavy facade



Outer corner



The UL certified firestop system meets the NFPA 5000 requirements: thermal rockwool protection plates (120 kg/m density) and minimal 2” thickness, installed between the building slabs.

Smoke-tight system with rockwool ribbon with minimal vertical 4” section (101.6 mm) located horizontally and sealed with elastomer putty against the slab, which activates at temperatures above 120°C, meeting the NSR-10 chapter J requirements.

UNITIZED

INSTALLATION SYSTEM

Unitized facade system allows a faster installation in order to achieve an agile and effective process, transporting the factory assembled panels with special lifting equipment. Ventanar counts with 8 electric hoists and a special spider mini crane designed for narrow access spaces.

Spider Crane

Electric platforms

Panel lifting

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Windows and doors

Ventanar®

TOSCANA

Italian design sliding system, special for lightweight windows and doors. Each sash includes 25 mm x 52 mm aluminum profiles. The frame is characterized by rounded edges, isobaric chamber and 45 mm x 37 mm profiles cut at 45°, providing an aesthetic finish, and efficient protection against wind and water.

Cerros de los Alpes / Bogota

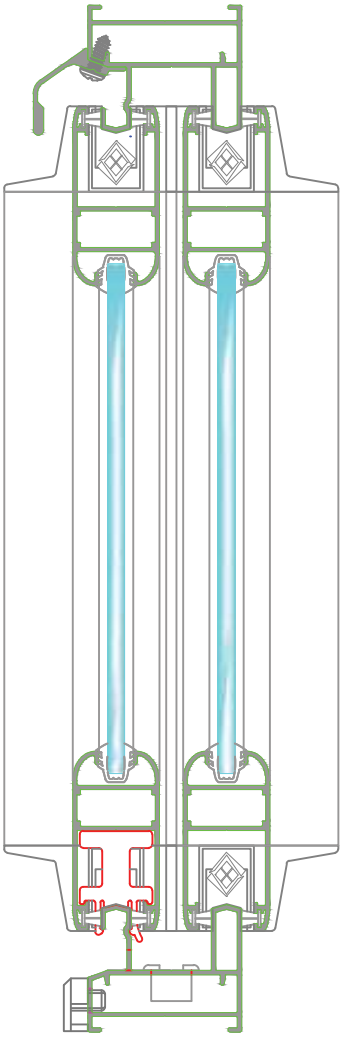
The system meets NSR10 requirements and CE European standards, allows 4 mm to 8 mm glasses, and up to 70 kg per sash. Italian certified mechanisms and accesories meet EN 13126.

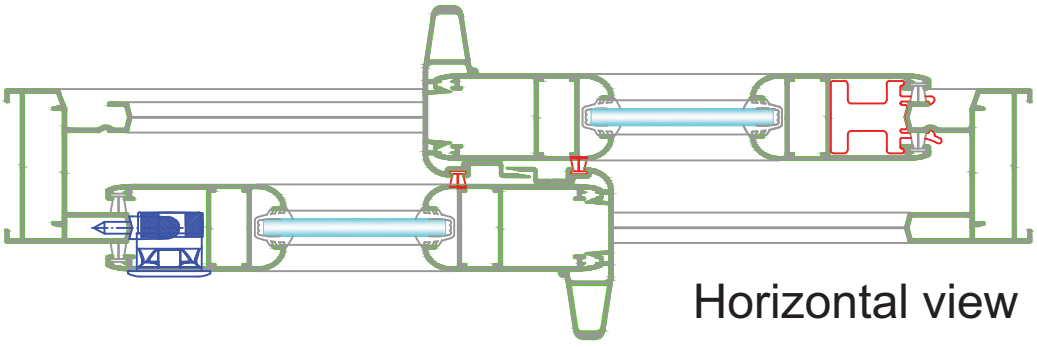
TOSCANA

Sliding window and door system:

- Double or triple-railed frame
- Simple or reinforced coupling mechanism
- Glass thickness: 4 mm to 8 mm
- Frame and sash cutting angle: 45°
- Polyamide rollers (max panel weight: 70 kg)
- Handle in sliding panel (doors only)

Vertical view





Horizontal view

Ventanar®

PRACTIKA

This economic window system includes 14 mm x 32 mm aluminum profiles, 38 mm large sill with an isobaric chamber for water control, 90° cut profiles, and excelent EPDM or silicone seals against water and wind penetration.

Torres Elite / Bucaramanga

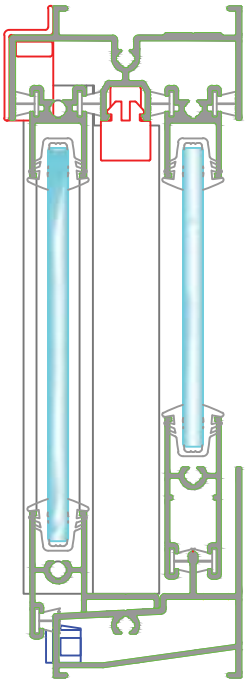
The system meets NSR10 requirements and CE European standards, allows 3 mm to 4 mm glasses, and up to 10 kg per panel.

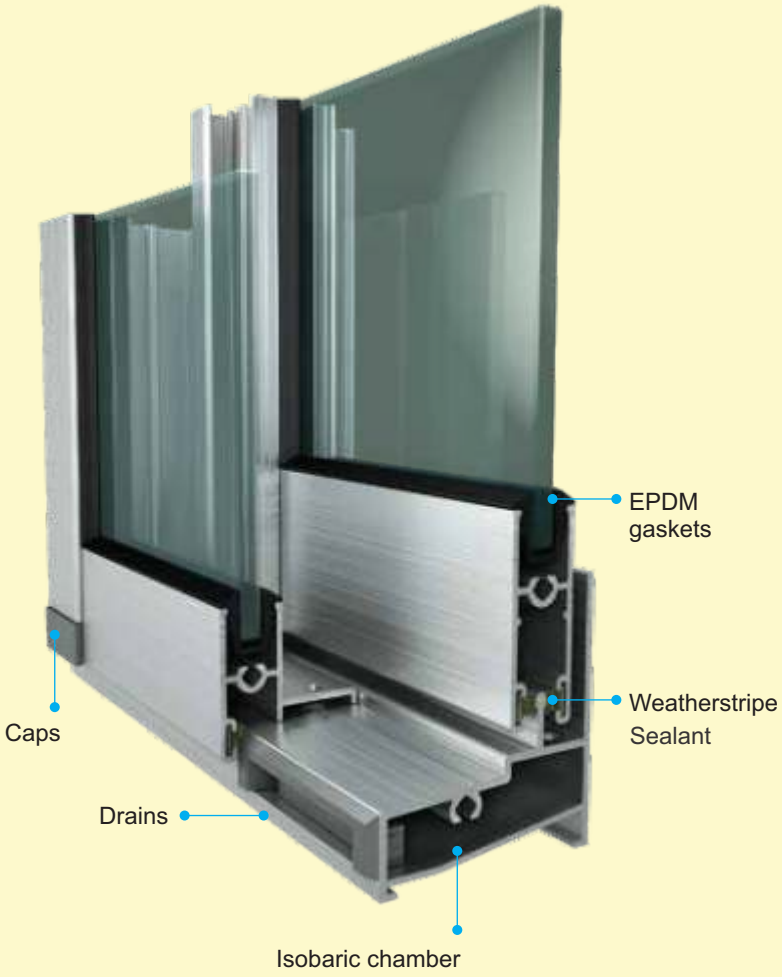
PRACTIKA

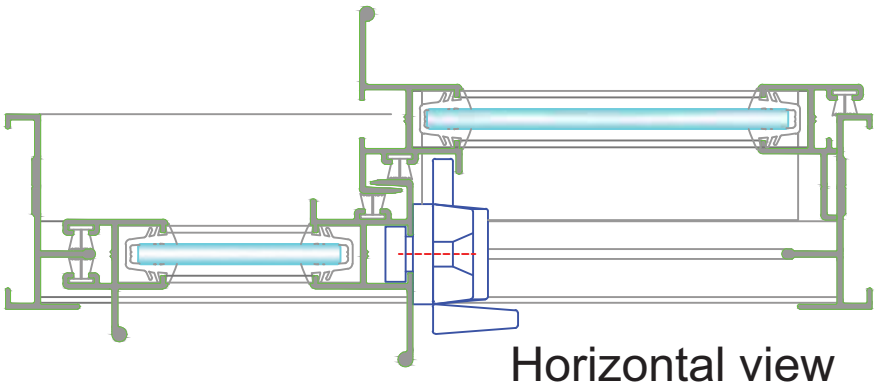
Economic system for sliding window

- Double-railed frame
- Reinforced coupling mechanism
- Glass thickness: 3 or 4 mm
- Frame and sash cutting angle: 90°
- Nylon rollers (maximum panel weight:10 kg)
- Large sill specially designed for water penetration control

Vertical view







Horizontal view

PRACTIKA PLUS

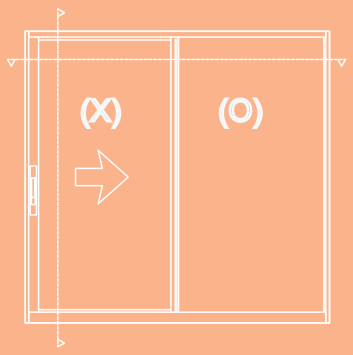
Ventanar®

This economic window system includes 14 x 42 mm aluminum profiles (in the lock area), 38 mm large sill with an isobaric chamger for water control, 90° cut profiles, and excellent EPDM or silicone seals against water and wind penetration.

Green Gold / Bucaramanga

The system meets NSR10 requirements and CE European standards, allows 3 mm to 4 mm glasses, and up to 10 kg per panel.

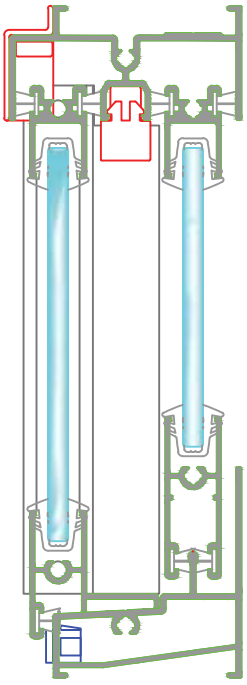
PRACTIKA PLUS

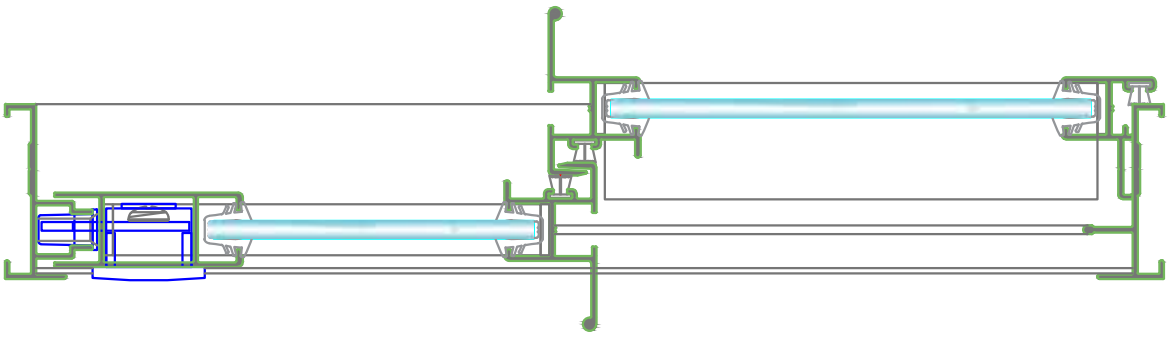


Economic system for sliding window

- Double-railed frame
- Reinforced coupling mechanism
- Glass thickness: 3 or 4 mm
- Frame and sash cutting angle: 90°
- Nylon rollers (maximum panel weight:10 kg)
- Large sill specially designed for water penetration control
- Automatic lock with stainless steel hook

Vertical view





Horizontal view

Ventanar®

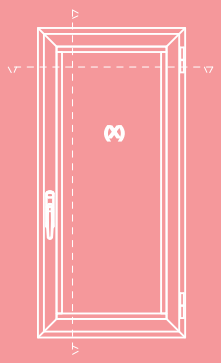
VERONA

Casement window system with european channel, 52.5 mm x 40 mm sash profiles, 52.5 mm x 56.7 mm door profiles, 45 mm x 47 mm isobaric chamber profiles cut at 45°. European designed hardware systen with multipoint lock system (2 to 8 points) and EPDM or silicone gaskets provide the product with excelent water and wind protection, and high tightness for an excelent acoustic performance.

Boca Reserva / Bogotá

The system meets NSR10 requirements and CE European standards, allows 5 mm to 32 mm glasses, and up to 80 kg per sash in windows and 120 kg in doors. Its mechanisms and accesories are certified bt completing 25.000 cycle test according to EN 13126.

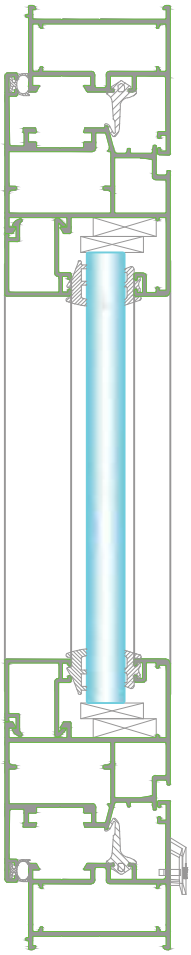
VERONA

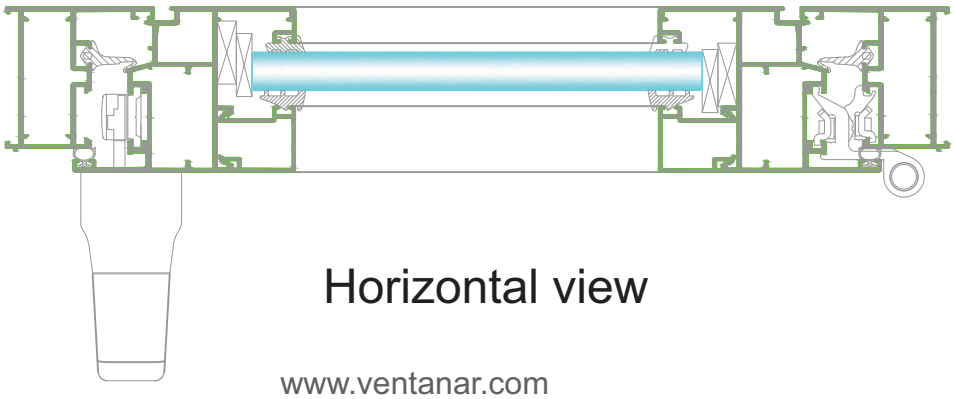


Casement system for windows and doors

- Opening outwards or inwards
- Glass thickness: 5 mm to 32 mm
- Frame and sash cutting angle: 45°
- Multipoint lock system
- Hinge kit (max weight per sash: 80 kg for windows and 120 kg for doors)
- Optional opening control
- 52.5 mm x 56.7 mm sash profiles and single lock

Vertical view





Horizontal view

NOVA MILANO

Sliding italian-designed system for high specification doors, 36 mm x 63 mm sash profiles with slightly rounded corners, 62 mm x 42 mm frame profiles with isobaric chamber and 45° cuts, offering a fine appearance and excelent sealing against wind and water. Includes cutting edge tri-extruded packaging and exchangeable track covers. Its high tightness provides an excelent acoustic performance.

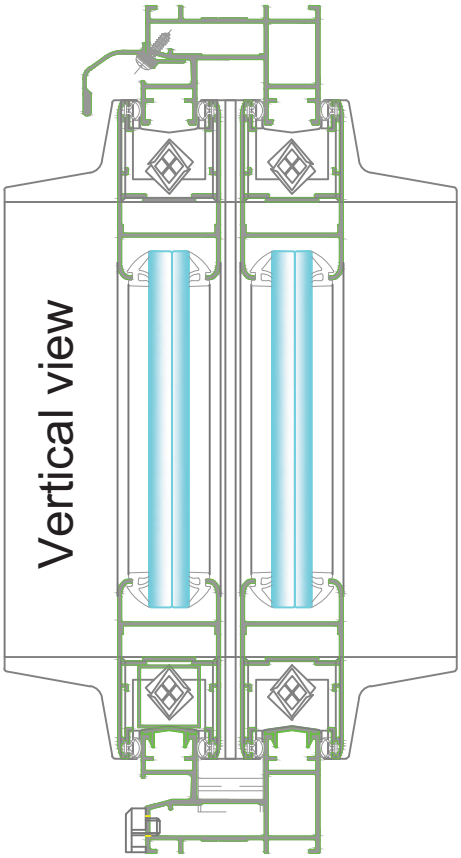
Tryp hotel / Bucaramanga

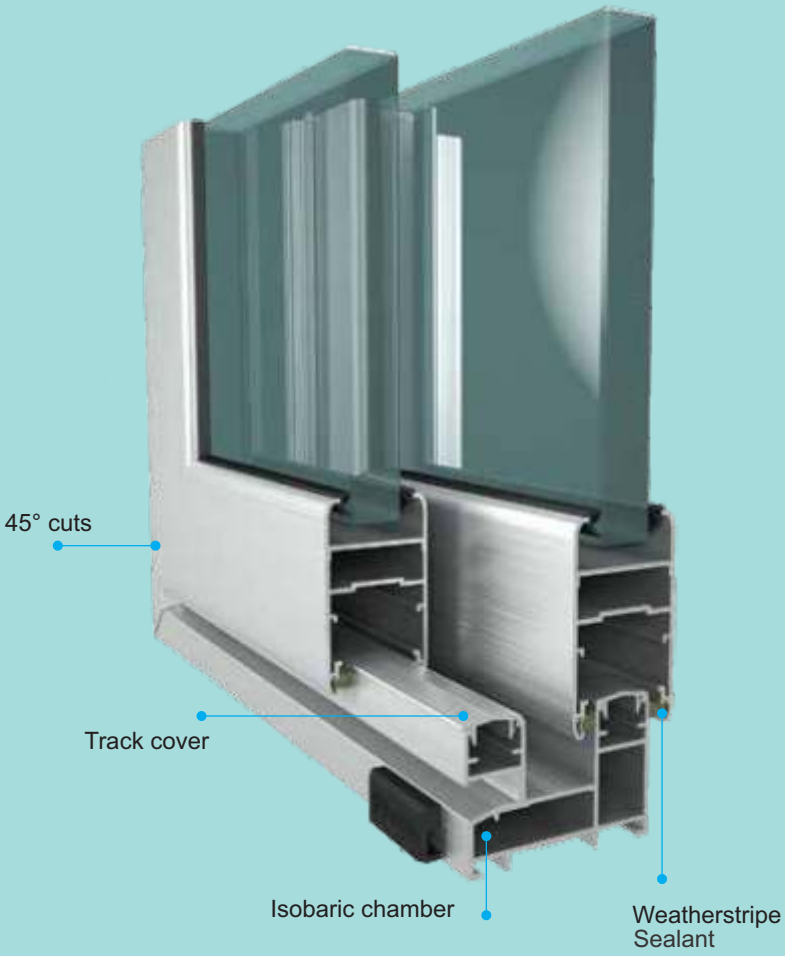
The system meets NSR 10 requirements and CE European standards, allows 5 mm to 32 mm glasses, with up to 80 kg per sash for windows and 120 kg for doors. Mechanisms and accesories are certified with 25.000 cycle test according to EN13126.

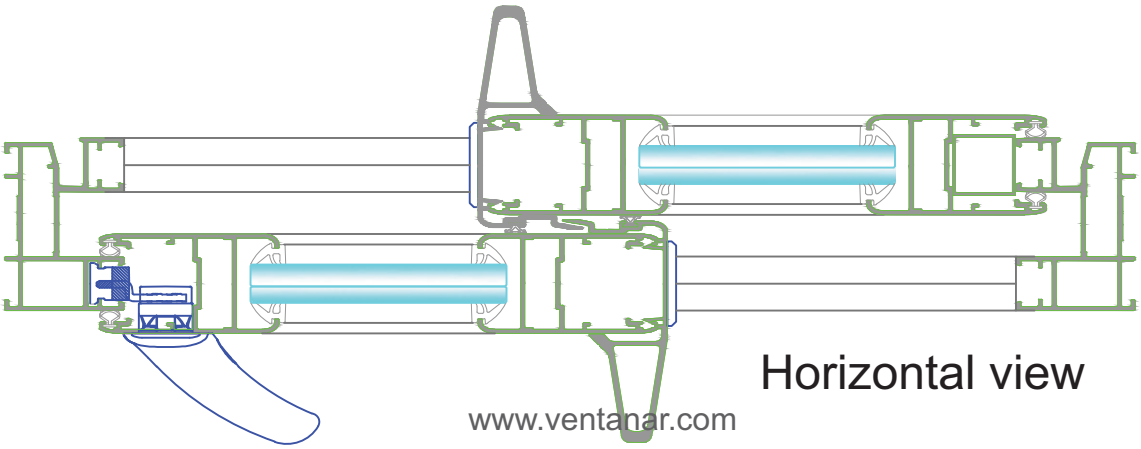
NOVA MILANO

Heavy duty sliding door

- Double and triple-railed frame
- Exchangeable track cover
- Glass thickness: 5 mm to 22 mm
- Multipoint lock system and handle
- Frame and panel cutting angle: 45°
- Imported rollers (max door weight: 150 kg)







Horizontal view

Ventanar®

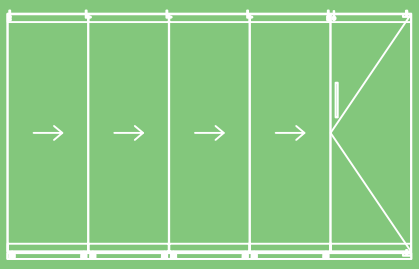
STACKING DOOR

Top sliding stacking system, specially designed for large openings that require full visibility. Allows a smooth and gentle operation, as well as different stacking options: perpendicular or parallel to the opening. Each panel has an independent steel cap in order to provide more security.

La Montaña / Ruitoque

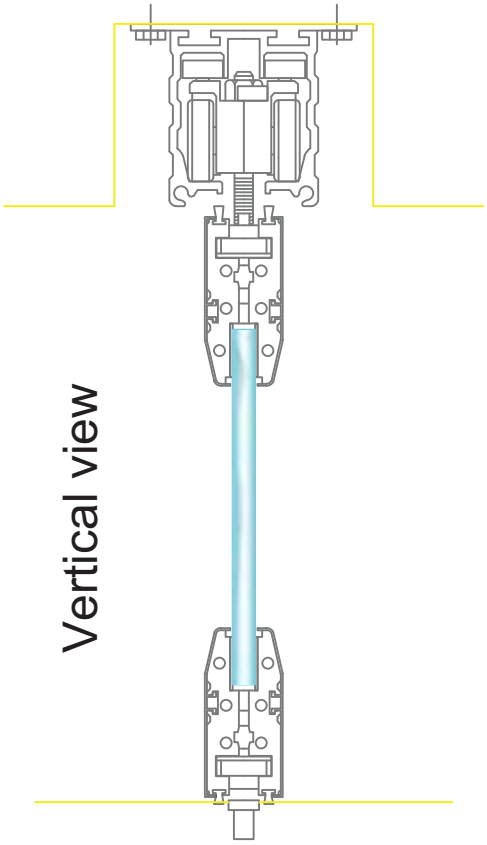
Composed by an extruded aluminum upper track and heavy duty rollers, this system allows weight up to 120 kg per panel, and glass thickness from 8 mm to 12 mm. Each independent panel glides easily through the upper track to the stacking area which can be visible or concealed, allowing an unobstructed view.

STACKING DOOR

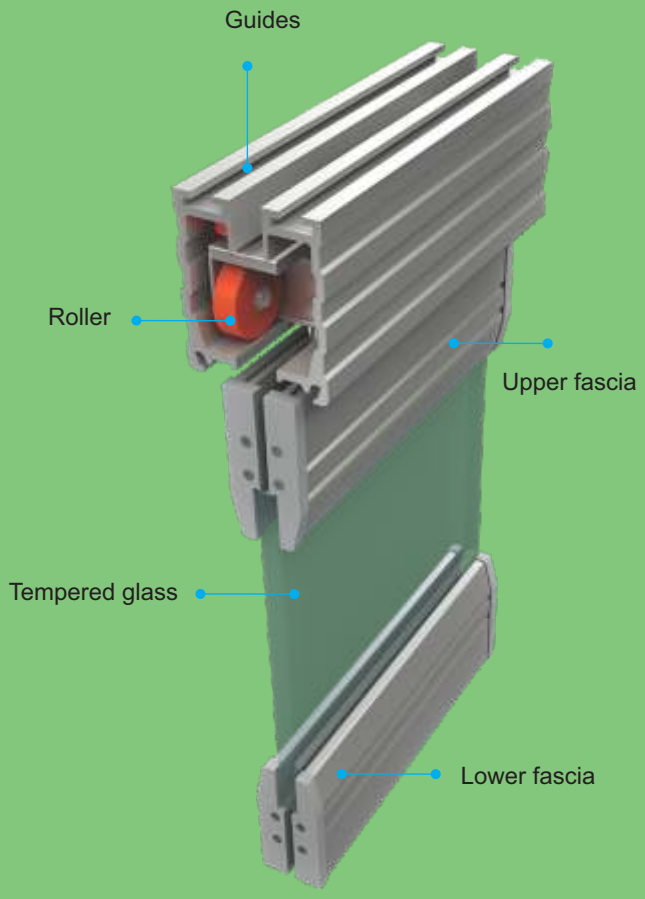


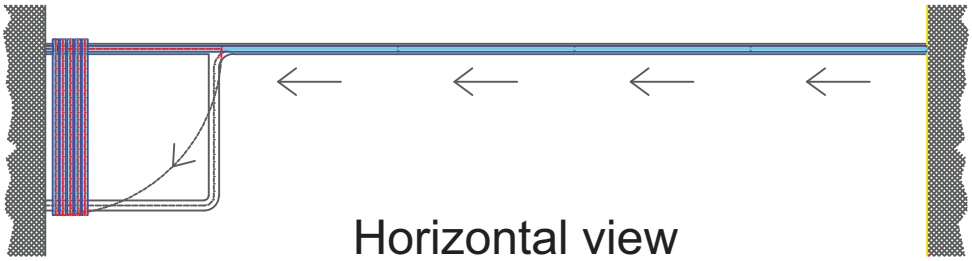
STACKING DOOR SYSTEM

- Glass thickness: 8 mm to 12 mm
- Door width: 700 mm to 1.500 mm
- No floor tracking required
- Each panel is secured with steel caps
- Pivot door secured with lock
- Each panel can be positioned independently along the track



Vertical view





Horizontal view