



**Alumil**

 **SMARTIA**  
Fences & Gates





## At ALUMIL we build excellence every day!

With more than 30 years of experience, ALUMIL is one of the most advanced companies worldwide in the design, production and distribution of aluminium architectural systems. Our mission is to improve the quality of people's lives by enhancing the performance of their buildings, with products of the highest technology and aesthetics.

Thanks to our experienced staff, our state-of-the-art production facilities and the advanced quality control, we guarantee our products' top performance and high added value.

Our fencing systems as well as all Outdoors series, have been developed exactly in line with the company's vision for exceptional architectural solutions of top quality and advanced technology. Each fencing solution incorporates a wide range of benefits and can be combined with other Outdoor systems as well as windows systems for an exceptional outcome.

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We think globally,  
we act locally.

ALUMIL was founded in 1988 and has been developed into a multinational group that includes:

Through our extensive variety of products around the building sector, ALUMIL covers a wide range of technical and aesthetic needs, both in private residences and iconic projects all around the world. Our product portfolio includes systems for:

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32

▶ Subsidiaries

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12

▶ Factories in Europe

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60

▶ Countries worldwide as sales network

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10.000

▶ Partners worldwide

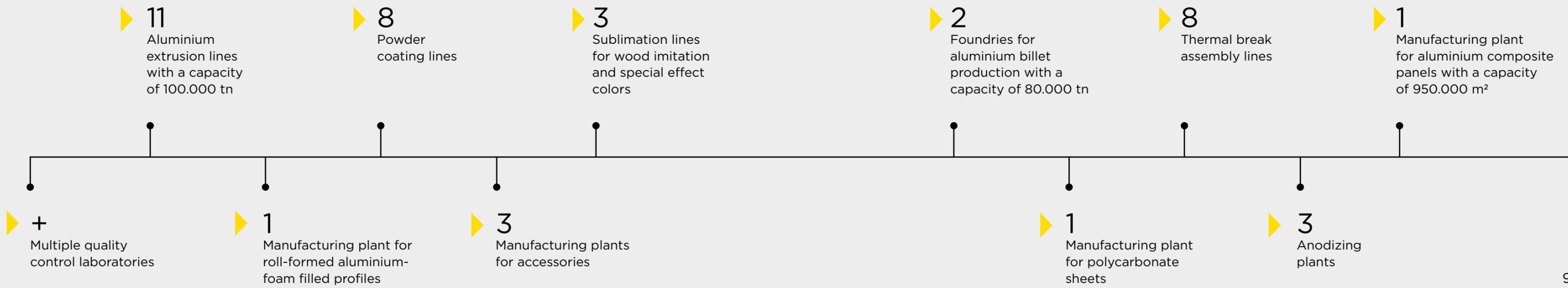
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Hinged windows & doors / Sliding windows  
Entrance doors / Folding doors  
Shutter & Rolling shutters / Cladding systems  
Curtain Wall & Façade / Interior partitions  
Polycarbonate sheets / Atrium & Conservatory systems / Railings and fencings  
Pergola systems / Decking solutions  
Fire-resistant & Heavy-duty doors  
Photovoltaic mounting systems / Noise barriers



## Production with quality and service.

At ALUMIL, thanks to our high vertical integration, we control all production processes to provide products that stand out for their quality and impeccable technical characteristics. Our industrial facilities include:



# Create spectacular outdoor spaces, using the complete ALUMIL philosophy.

Through fencing and our Outdoors solutions, ALUMIL provides the most valuable architectural tools for the designing of gardens and yards in modern residences, dining and leisure areas in hotels, terraces in restaurants and many other open spaces.

Much more than a simple and conventional list of architectural solutions, all OUTDOORS series are characterised by top standards and are combined with each other, offering substantial improvement to external environments. It is a broad set of aluminium solutions, customised at will, for the implementation of multiple construction designs.

## Advantages of OUTDOORS solutions

- / Advanced aesthetics and flawless operation for exceptional comfort and living conditions.
- / Innovation and creativity, in line with contemporary architectural trends.
- / Robustness, very large dimensions and high safety levels.
- / Uniformity and compatibility for complete decorative solutions.
- / Zero maintenance needs, thanks to the extensive use of aluminium.
- / Integrated systems and cross-selling opportunities.



01

▶ Cladding

02

▶ Railings

03

▶ Fixed Pergolas

04

▶ Decking

05

▶ Bioclimatic Pergolas

06

▶ Fencing



Choose one of the three series and surround your place to your personal taste.

ALUMIL provides three types of fencing systems, each one of them having many features and advantages, and differing in terms of louvers installation. They offer multiple options for top performance fencing, and surround your space in the most elegant way.

## ▶ SMARTIA FC80

SMARTIA FC80 provides a more classical design with its louvers placed between the posts, with or without spacing between louvers. At the same time, it offers a vast variety of profiles, allowing the creation of countless designs and covering most technical solutions, whether special or not.

## ▶ SMARTIA FC60

SMARTIA FC60 has its louvers horizontally attached on the posts, mostly on the external side, while creating a totally linear design around your space. Gate solutions are all included.

## ▶ SMARTIA FC10

SMARTIA FC10 is a unique series, with its louvers mounted vertically, offering a special minimal result. With a wide range of aluminium and Woodalux louvers, placed separately or combined, the series offers exceptional design proposals.



▶ FC80



▶ FC60



▶ FC10



## Unlimited design solutions

Three series and vast profile selection cover a wide variety of typologies and technical solutions, and simultaneously offer unlimited decorative proposals with different patterns, materials, colors, lighting solutions, etc.



## Unmatched aesthetics

Detailed design, aluminium posts instead of concrete ones, concealed fixing points, special caps, variety of materials and lighting options, etc. All these together are a guarantee for high aesthetical value.



## Very large dimensions

One of the differentiating features of these systems is their oversizing capabilities. Total fencing height and distance between consecutive posts more than 2.0m, gate spans up to 6.0m, both in cases of sliding and hinged gates, etc.



## Innovation & differentiation

High levels of innovation, with new techniques, new materials, smart combinations and unique constructions, which offer differentiation and competitiveness to our partners, either as fencing systems or as a part of an OUTDOOR complex.



## Top robustness

The special design of the systems, mainly regarding FC80, allows very high and strong constructions. All series are extremely durable against intense wind loads, even in the case of installing louvers without spacing (closed surfaces).



## Unparalleled corrosion resistance

Not only the aluminium characteristics, but also the special design and materials that were chosen, provide guaranteed resistance against corrosive conditions (installation in coastal areas). Stainless steel accessories or made of extruded aluminium profiles (this one plays key role for paint preservation).



# Alumil SMARTIA FC80

SMARTIA FC80 is a fencing system that comes in diverse forms and configurations.

It offers a vast variety of applicable solutions. It can be a valuable tool for every architect, part of every fencing project and unique answer to various demands. The main system features are the inlaid, inserting style installation of the infills between the posts and the vast range of the decorative materials applied.

Additionally, the system stands out for its incomparable durability - reinforced profiles and heavy-duty accessories - that helps in allowing wider distance between posts and creating very large privacy fences and gates.

### Advantages

- ▶ Top levels of robustness for large scale constructions, especially gates that make vehicle passing much easier (up to 6.0m span)
- ▶ Possibility of creating surfaces without spacing and any wind load related problems (more than 2.0m height)
- ▶ Wide range of solutions and high level of customization, thanks to the plethora of profiles and technical solutions
- ▶ High innovation levels and differentiation using cutting-edge materials (Woodalux), special inserted frames, multiple lighting options, oversizing, etc.
- ▶ Replacement of the - usually required - concrete prefabrications (mullions, shadings) with integrated fencing and pergola aluminium profiles.



/ Aluminium louvers and other materials placed inlaid between the posts, having the fixing points and profile channels hidden. (01)

/ Alternatively, special handrail to be attached along the fence, with lighting option available. (02)

/ Variety of decorative post caps (pyramid, triangle or flat style) available in long-lasting colors. (01)

/ Anchor bolts and decorative rosettes without visible fixing points. (03)



01



02

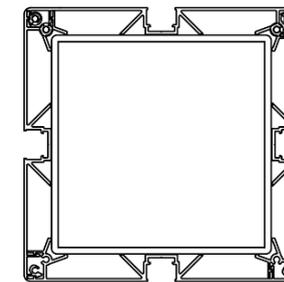


03

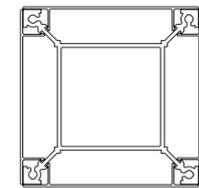


Every technical need can be covered with a wide range of mullions in different sizes and styles that, contrary to common concrete and aluminum posts, can achieve:

- ▶ Construction oversizing
- ▶ Cooperation with hinged panels, up to 3.0m
- ▶ Post to post span beyond 2.0m
- ▶ Excellent and long-lasting functionality
- ▶ Unlimited customised solutions, looking much better with aluminium rather than concrete profiles



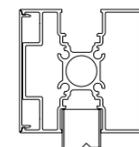
/ 250x250mm mullion, i.e., steel or concrete body surrounded with aluminium profiles. (01)



/ 120x120mm mullion for sturdy fences as well as for flawless sliding gates. (02)



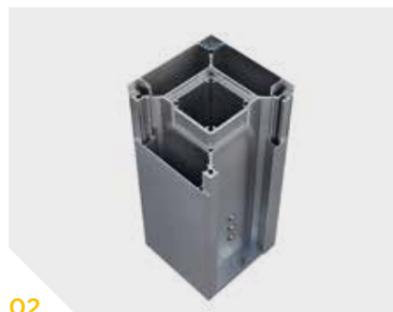
/ Minimal mullions (i.e., half), 40x80mm and 40x120mm, for framing upon an existing post.



/ 80x80mm mullion, simple or corner, combined with caps or handrail, with special design and concealed fixing points. (03)



01



02



03



SMARTIA FC80 is a complete fencing system and offers multiple solutions for gates, exceptional in terms of elegant aesthetics and ultimate design while ensuring robustness and dimension performance. It includes simple hinged gate for everyday people passage, that could be combined in harmony with a double-leaf hinged one for vehicle passage, up to 6.0m span.

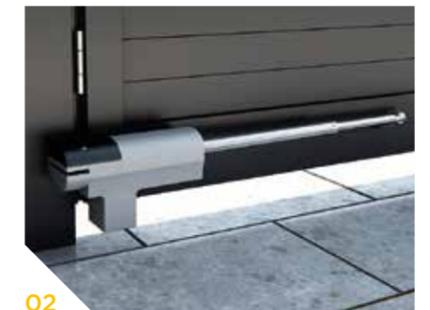
FC80 gates allow variety in designs that could go beyond the classic patterns, remaining sturdy and functional, especially thanks to the wide range of post options, the two types of special hinges and the various automation solutions that they can incorporate.

/ Pivot hinges for very large gate panels (up to 3.0 m), without loosening problems. Attached to the posts, especially to the 250mm one, when totally metallic result is prerequisite. (01)

/ Cylindrical hinges, tested in folding door systems, applied to normal and large gate panels, offer unproblematic operation. (02)



01

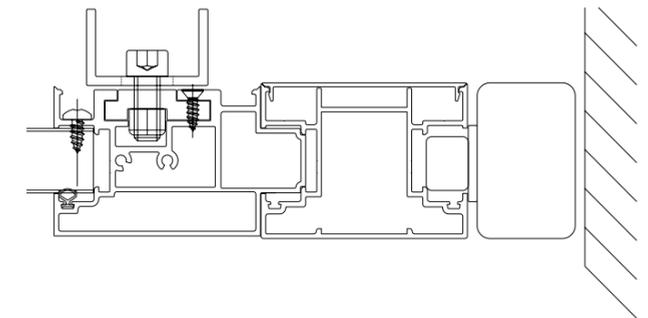


02

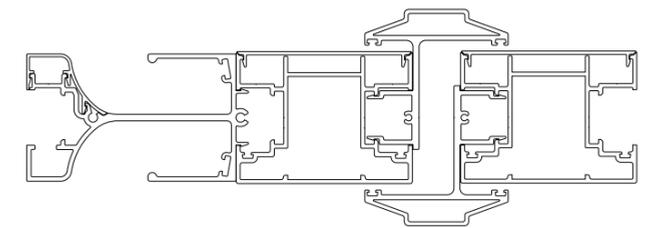
Your yard gate should be stylish and greatly functional!



FC80 series provides complete solutions for hinged gates with advanced design and many smart details, which offer added value to the final product and guarantee smooth and long-lasting operation.



/ The opening mechanism is attached on a special transom profile to add extra strength against loosening and damaging problems after a long period of time.



/ Integrated handle (as an alternative to classic fixed handles), with lighting and different color options for unique design.

/ Selection from decorative adjoining profiles and sturdy gaskets for filling in the gap between frame and sash.



01

/ Special fitting on the upper part of the gate, that would eliminate the possibility of any kind of injury during the passing through of children or other pedestrians. (01)



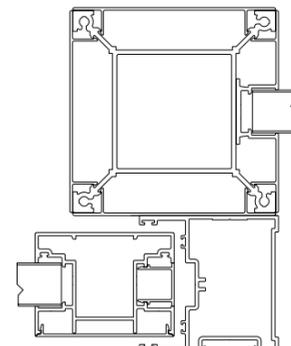
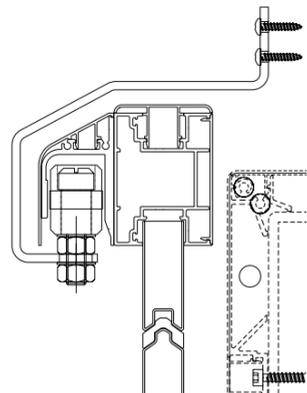
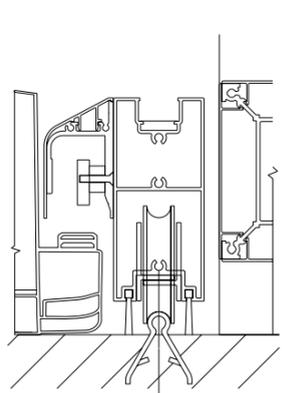
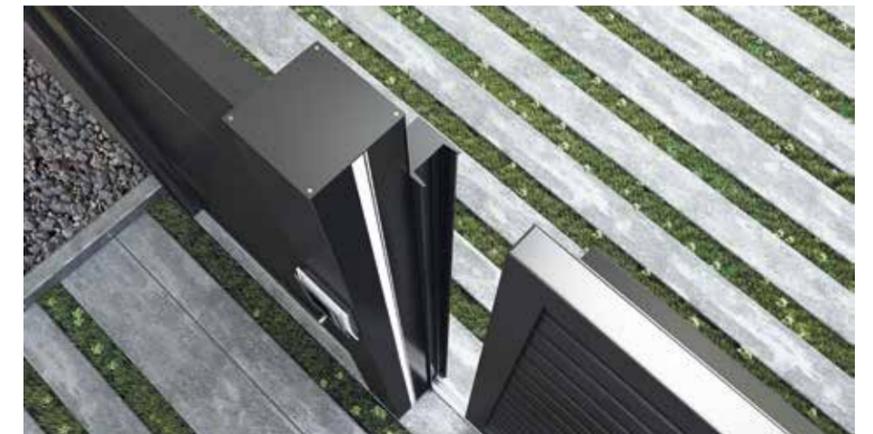
FC80 offers a complete proposal for sliding gates, which covers spans up to 6.0m for vehicles passing and could be combined with a single-leaf gate for pedestrians. Design options and top-level functionality cater for a wide range of needs and enhance the overall aesthetic result.

/ Support construction made exclusively of aluminium profiles instead of cement blocks, for total aluminium feeling.

/ Special design which completes the firm closure and locking, without imbalances from wind loads.

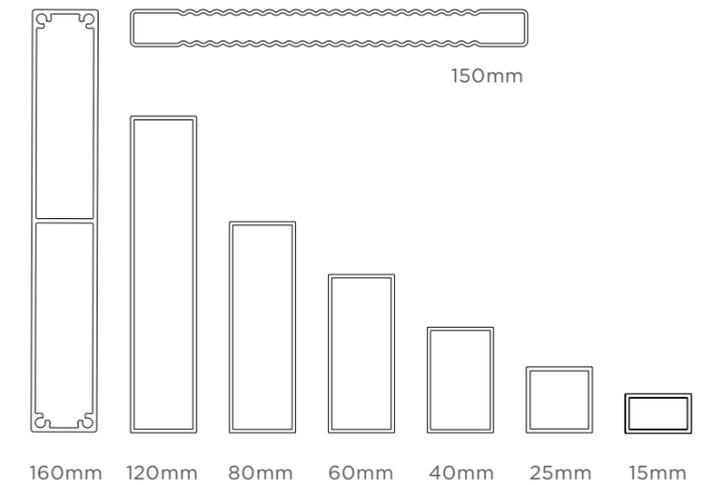
/ Compatibility with advanced equipment for smooth automatic operation (motor, automations, etc.).

/ Special profiles, which have the operation mechanism concealed, at the upper and bottom part, and provide extra minimal result.





The most significant choice for the materials that will be used between the posts is that of aluminium louvers, in a way that allows large dimensions and robust construction. Horizontally or vertically attached, they provide a unified and remarkable result.



/ Rectangular aluminium profiles in several dimensions (from 15mm to 160mm) in order to be used as fencing louvers, in normal or very long lengths (> 2.0m).



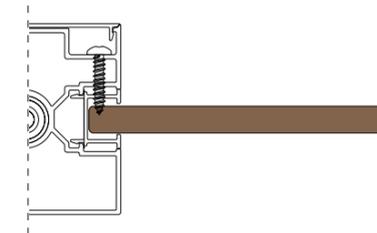
/ Overlapping aluminium louvers for the creation of large and concealed surfaces, with little or no spacing, prioritizing the residents' privacy, with wind resistance as a bonus.

Bring aluminium style to the forefront of your personal aesthetics.



Maintain the aesthetics of wood, while using more durable materials.

As an alternative to wood, which brings a set of disadvantages, such as corrosion, maintenance and rather small lengths, SMARTIA FC80 system provides WOODEE, WOOPÉE and WOODALUX louvers, all of which are made of composite wood. They allow large dimension constructions and are characterised by unique durability, while lending a well-refined look that complements the outdoor spaces.

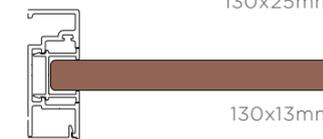


**WOODEE**

Premium quality product, from virgin wood (60%) with one fencing profile available in various colors and textures ("Flat", "Amazon"). Incomparably resistant, it preserves its color and is characterised by a natural sense of wood.



130x25mm



130x13mm



150x25mm



90x25mm



120x25mm

**WOOPÉE**

It is a product of high standards made of recycled wood (55-60%) with three profiles with embossed surface and various colors. Suitable both for surfaces with or without spacing (overlapping planks).

**WOODALUX**

Woodalux is an innovative product with great attributes, such as resistance, mechanic robustness and wood feeling. Combined with FC80, it easily allows very large-size constructions, i.e. more than 2.0m post distance.



Apart from the construction challenges of a project, which can be met in total, FC80 offers a valuable set of special profiles. These profiles provide creative freedom, because they allow unlimited decorative combinations of patterns and materials. The fence surface becomes a drawing canvas, in which several inlaid elements, decorative frames, various materials and artistic creativity, are combined in unique compositions.

Smart technical solutions for unlimited decorative combinations.



01



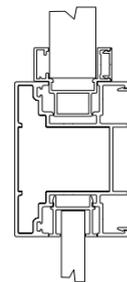
02



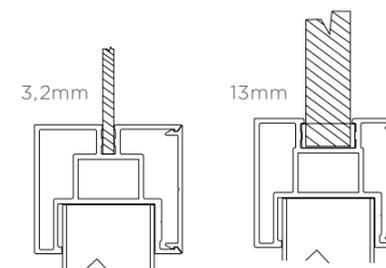
03



/ Decorative inox type stripes, with the use of 10mm overlapping louver, in glossy and matte anodised shades. (01)



/ Additional profile placed perimetrically to create beautiful frames in various shades (e.g. inox). (02)

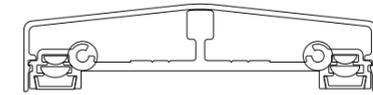


/ Special profiles with two different inserting channels on both sides, i.e. 3/25mm and 13/25mm, which allow combination of decorative surfaces (glass, wood, metal) at any point of the panel. (03)

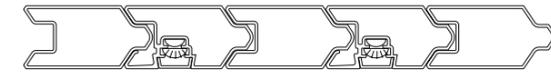
/ Adaptor profiles for the conversion of the 25mm gap to 3, 13 or 14mm, to insert different materials, such as glazing, metal sheet, Woodee etc. (03)



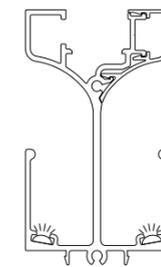
Multiple lighting options, applied in several structural elements (posts, handrail, louvers, handles) and appropriately combined, could offer unique decorative proposals that upgrade the overall aesthetics.



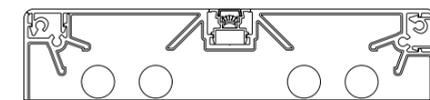
/ Handrail that is attached along the upper side of the fence, gives the option of lighting alongside the fencing surface.



/ Overlapping profile (40mm) combined with 20, 40 and 90mm louvers, for concealed surfaces with continuous and dashed lighting.



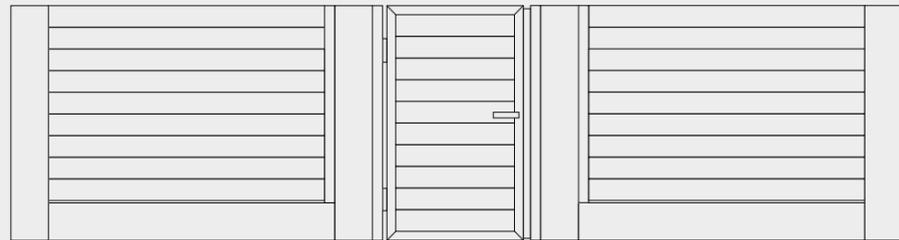
/ Integrated handle in the door leaf, with the option of concealed lighting at both sides.



/ Special profile which clicks on the 25mm channel profiles, providing many decorative lighting solutions.

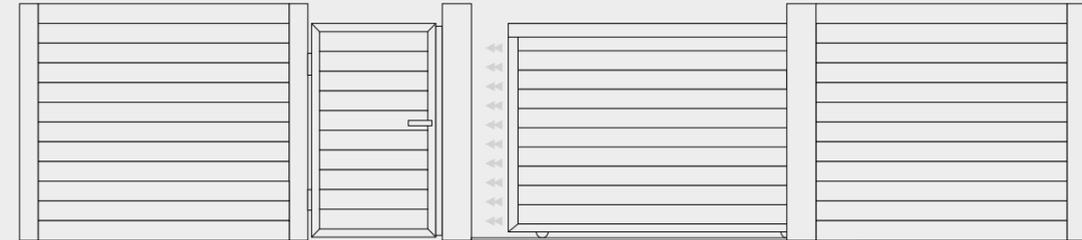
## Single-leaf hinged gate

- ▶ with fence and existing concrete post
- ▶ half aluminium mullion 40x80mm, simple adjoining profile

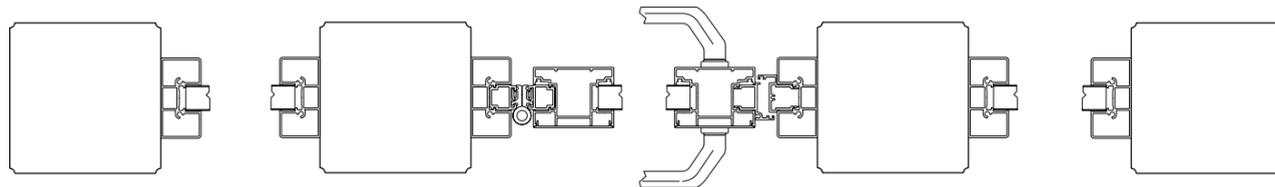


## Sliding gate

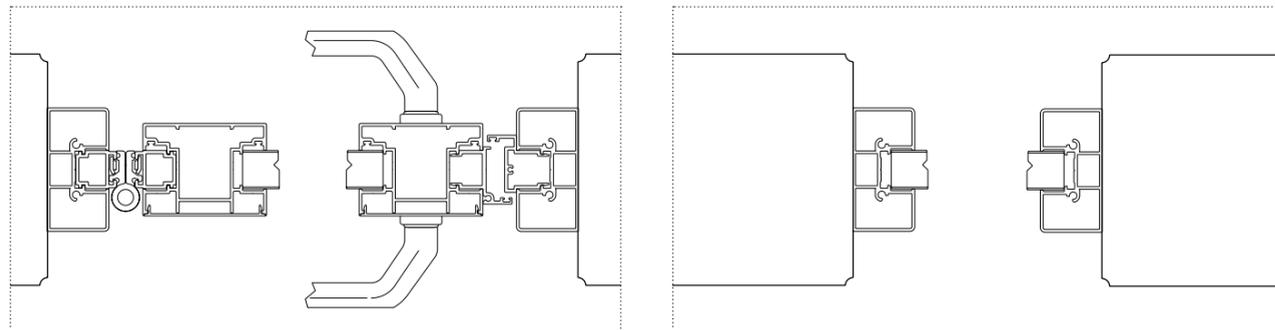
- ▶ supported by 120mm aluminium mullion (not cement blocks)
- ▶ with single-leaf hinged gate and fence (everything in aluminium)



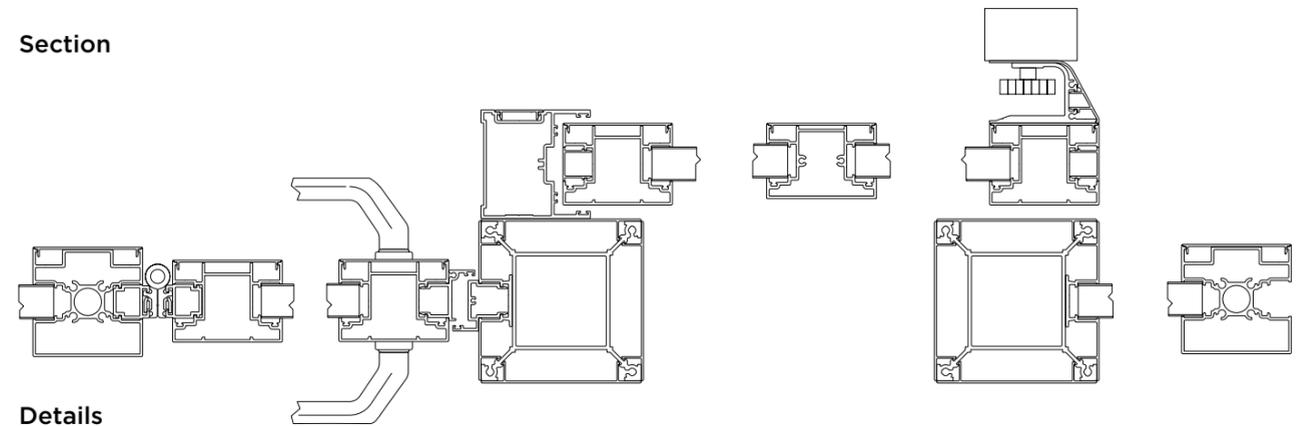
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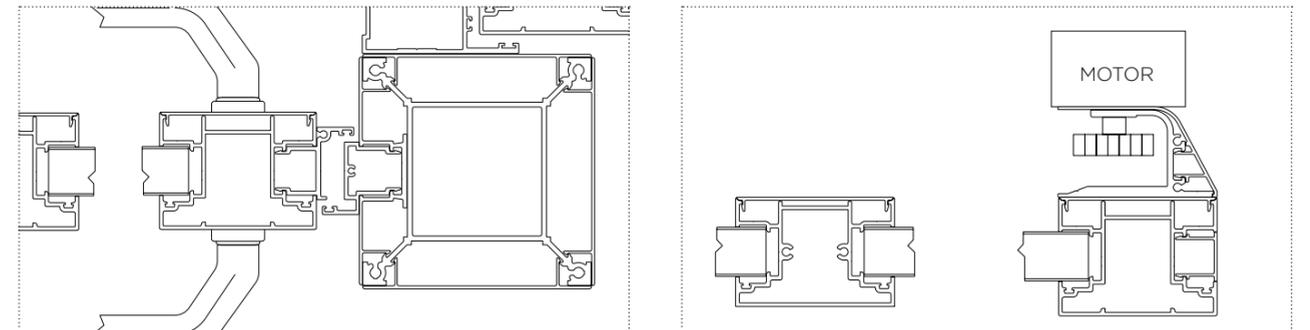
### Details



### Section

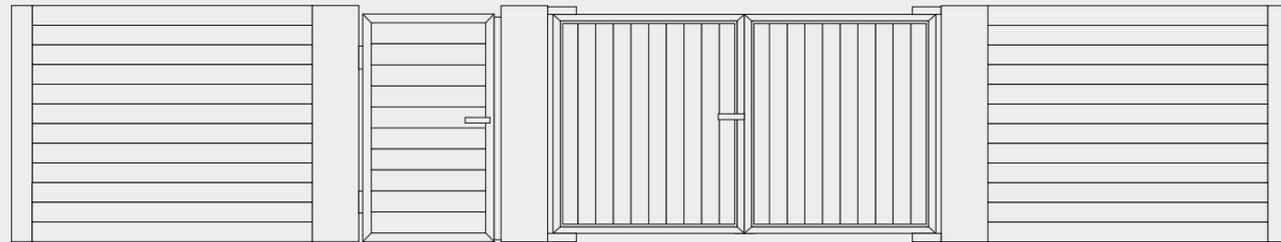


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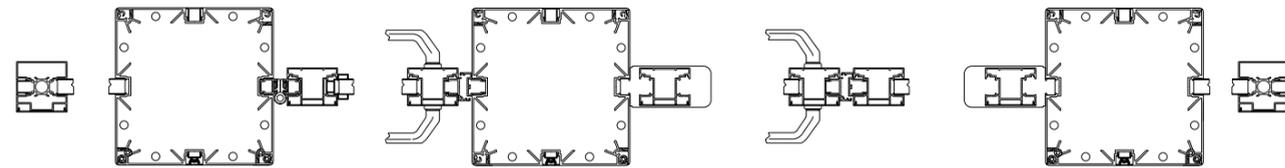


## Double-leaf hinged gate

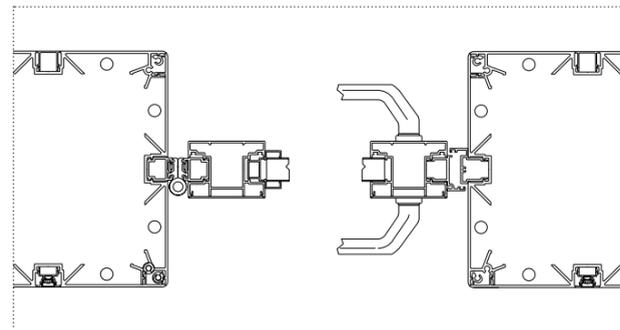
- ▶ supported by cement blocks covered with 250mm aluminium sides
- ▶ with single-leaf hinged gate and corresponding fence (everything in aluminium)



### Section

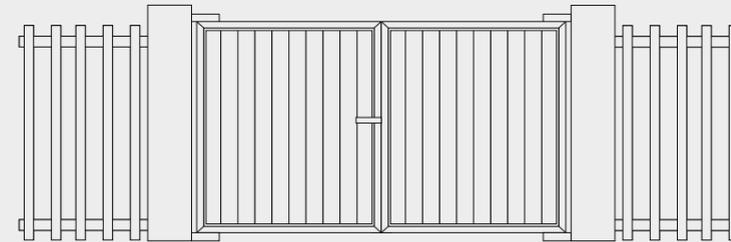


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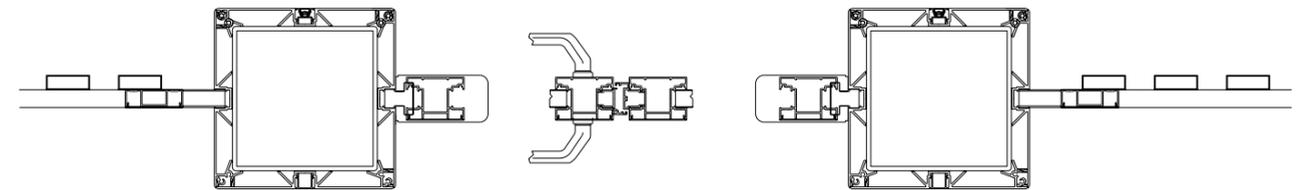


## Double-leaf hinged gate

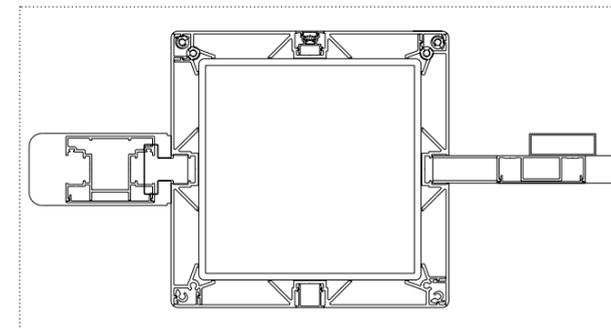
- ▶ with vertical louvers, with pivot hinges fixed on steel beams covered with 250mm aluminium sides (everything in aluminium)



### Section



### Details





## Alumil SMARTIA FC60

SMARTIA FC60 is a complete aluminium fencing system with louvers of your selection horizontally attached on the posts.

It offers a continuous, minimal and aesthetically linear result. A fencing system that can upgrade the style of your place and is fully recommended for hotels, residences, maisonettes, etc.

It offers all gate options (hinged, sliding) and is characterised by high durability and large construction dimensions.

### Advantages

- ▶ Excellent minimal design / linear aesthetics, without visible fixing points.
- ▶ Wide range of solutions and designing options, especially in aluminium louvers.
- ▶ Unique combinations with wood composite materials, such as the hybrid Woodalux louvers.
- ▶ Great robustness and possibility for large spans.
- ▶ Special design for ease of construction.



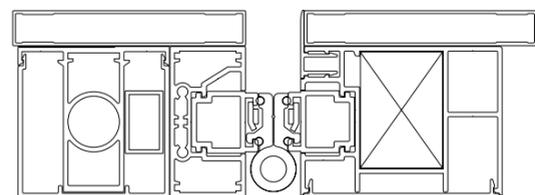
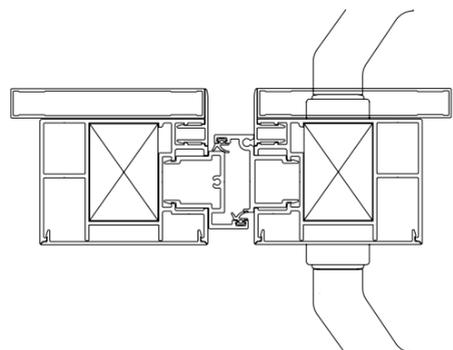
SMARTIA FC60 effectively combines various materials and technical features, and hence, offers complete fencing solutions for a wide set of corresponding needs. Reinforced mullions, robust gates, wide range of aluminium louvers and other materials constitute this series, which incorporates linear aesthetics with high performance.

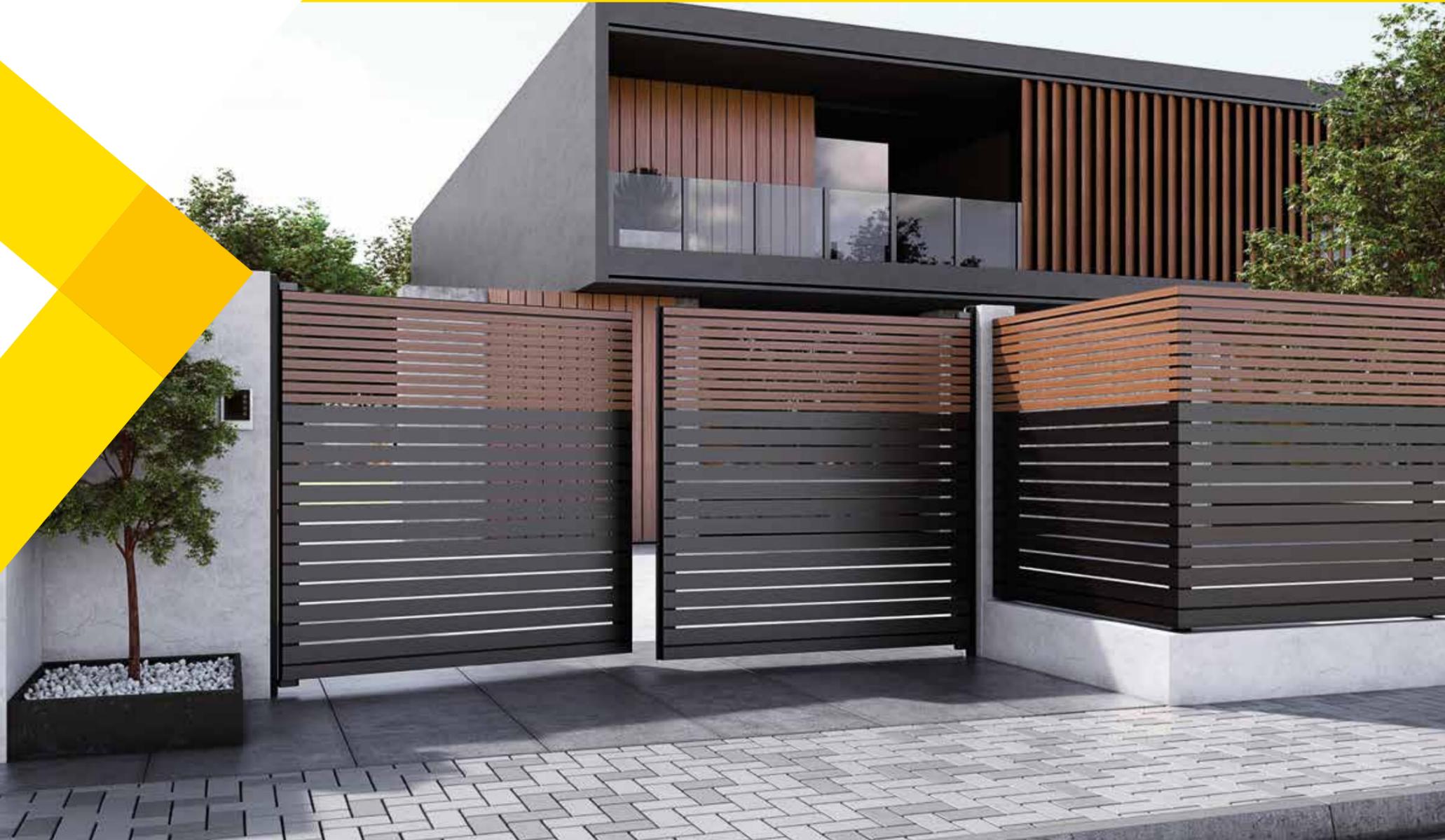
/ Aluminium post in "T" shape, with simple or perimetrical caps and concealed fixing points.

/ Special design for inserting anchor bolts, in various lengths and with rust-free protection.

/ Sliding and hinged gate options.

/ Louver ending with special profiles or alternatively, with aluminium or plastic caps.





SMARTIA FC60 offers a complete range of aluminium and composite wood profiles for creative designing, while maintaining its linear aesthetics. The louvers can be attached with or without spacing, achieving either higher wind load resistance or more privacy, correspondingly.

/ WOODALUX louvers, combined or not with aluminium ones, creating eye-captivating results. They allow very large lengths and create natural wooden feeling, without maintenance needs.

/ Various aluminium louver profiles either in simple rectangular sections (15-120mm) or special design ones (rectangular, oval, overlapping).



120x24mm



20x40mm



120x32mm



20x50mm



32x80mm



20x60mm



32x60mm



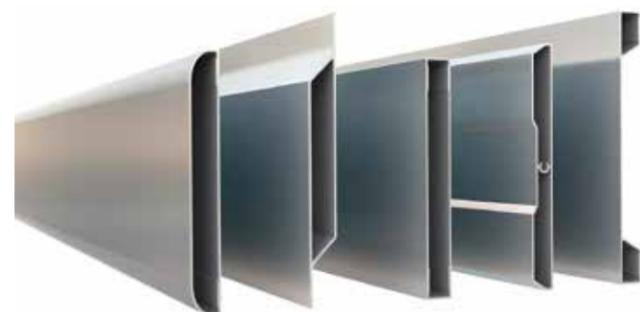
20x115mm



25x90mm

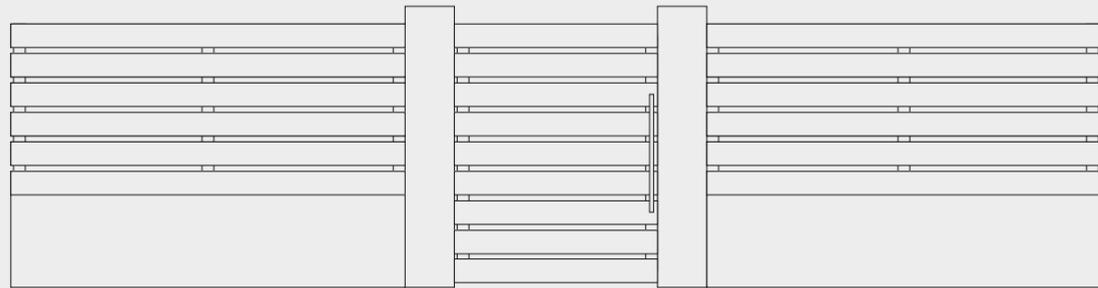


40x32mm

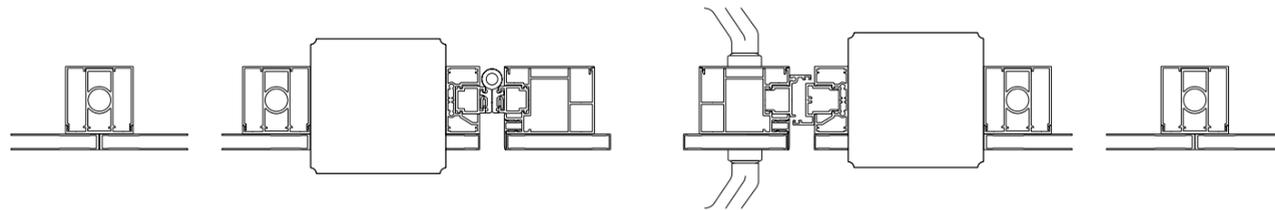


## Single-leaf hinged gate

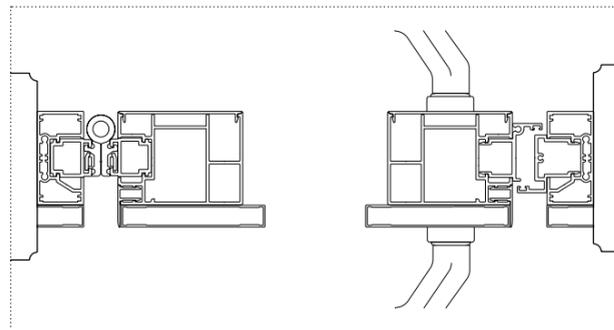
▶ with fixed parts, and with fence in existing cement blocks



### Section

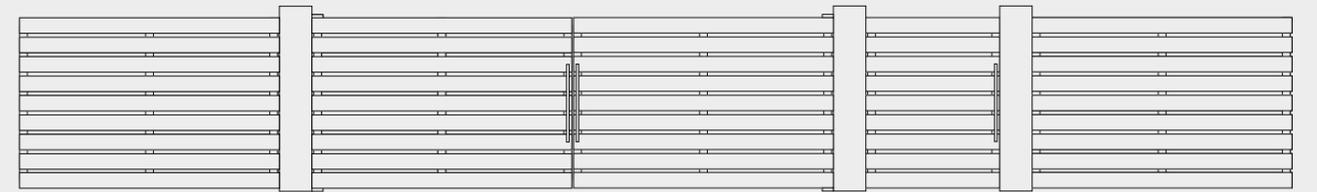


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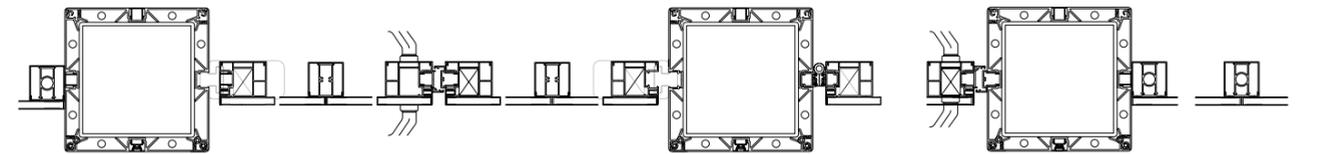


## Double-leaf hinged gate

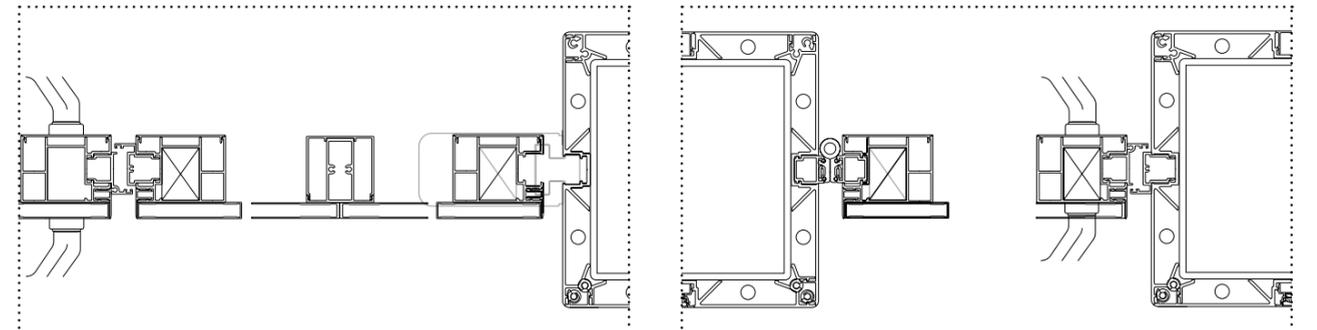
▶ supported by cement blocks concealed by aluminium 250mm  
▶ with single-leaf hinged gate and fence (everything in aluminium)



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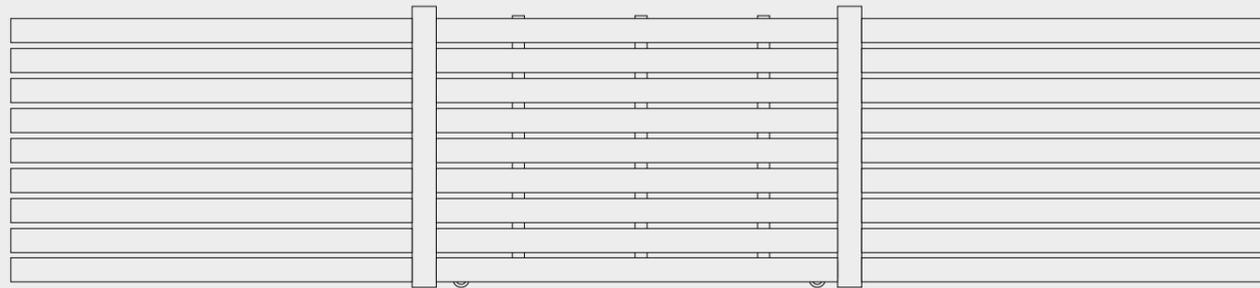


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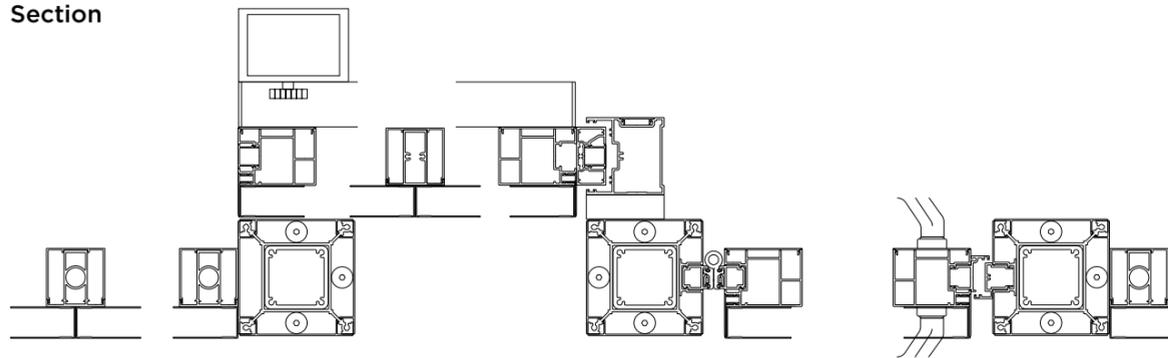


## Sliding gate

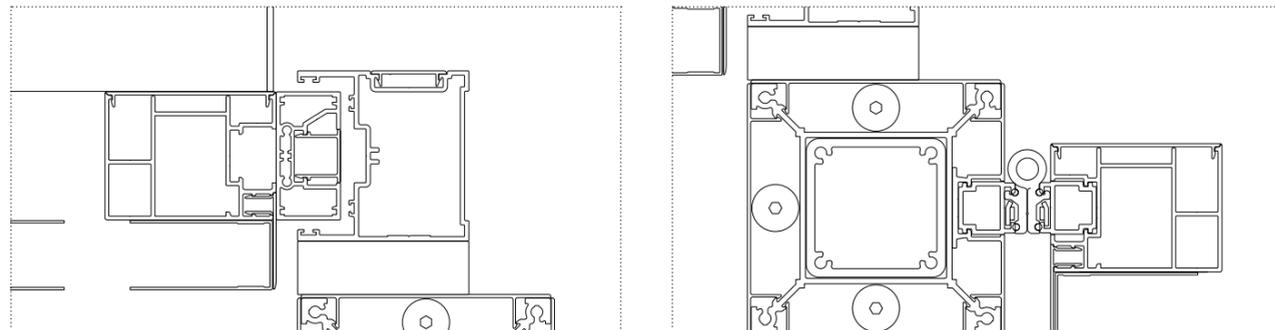
- ▶ supported with 120mm aluminium mullions
- ▶ combined with single-leaf hinged gate and fence (everything in aluminium)



### Section



### Details





## Alumil SMARTIA FC10

ALUMIL completes the fencing solutions with SMARTIA FC10, a system that is characterised by these vertical lines and consequently by absolutely minimal aesthetics.

At the same time, this system can successfully replace the similar linear steel constructions, without coating, corrosion and maintenance issues that accompany the latter.

### Advantages

- ▶ Particular style, not commonly met in fences made of aluminium.
- ▶ Spectacular final result when combined with WOODALUX profiles.
- ▶ It effectively replaces the respective steel constructions.
- ▶ Long fencing constructions without stability and wind-load problems.
- ▶ Smart and effective way of louvers connection - especially on the top side - which remains unnoticed.



SMARTIA FC10 incorporates several technical characteristics and when combined with other systems, it covers a wide range of solutions and applications, while remaining aesthetically incomparable, and performing effectively at all levels.

- / The support of louvers at the bottom is achieved by using a specially designed aluminium rail (railing), having the fixing points of louvers concealed.
- / The support on the upper side is achieved either by handrail with LED light option, or by specially designed caps that keep the support unnoticed.
- / For sliding or hinged gate solutions, FC10 louvers are combined with SMARTIA FC80 profiles.





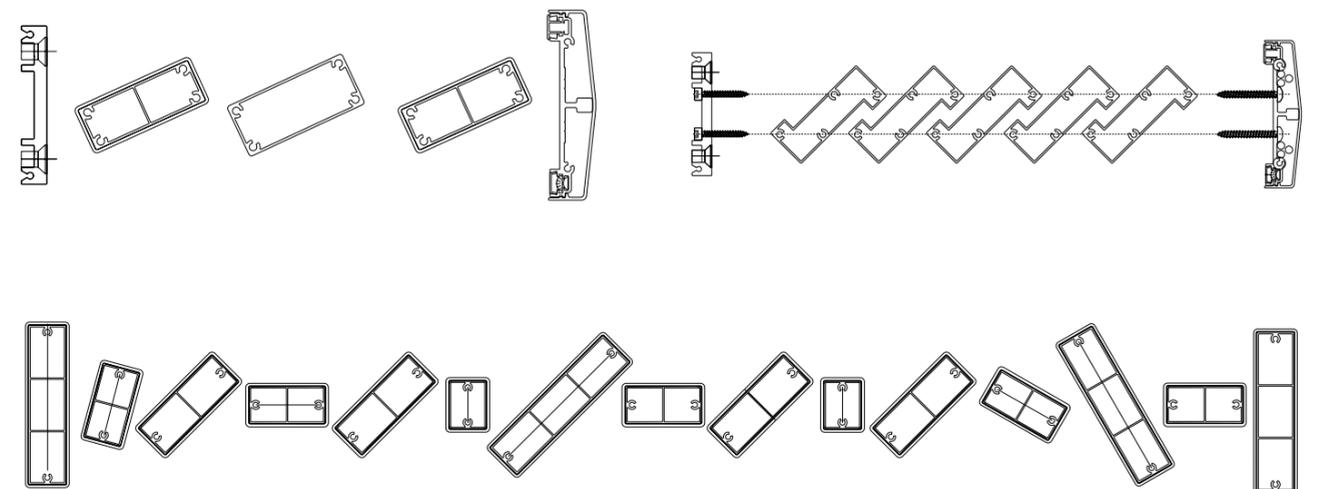
Despite its simplicity, SMARTIA FC10 offers a vast variety of vertically attached louvers, which creates a fence of high durability and aesthetic value.

/ Wide range of reinforced aluminium louvers in several cross sections, such as the "Z" type louver which blocks visibility in both ways for more privacy.

/ All WOODALUX louvers, that thanks to their special design (thickness, screwing socket) make this fencing construction incredibly robust.

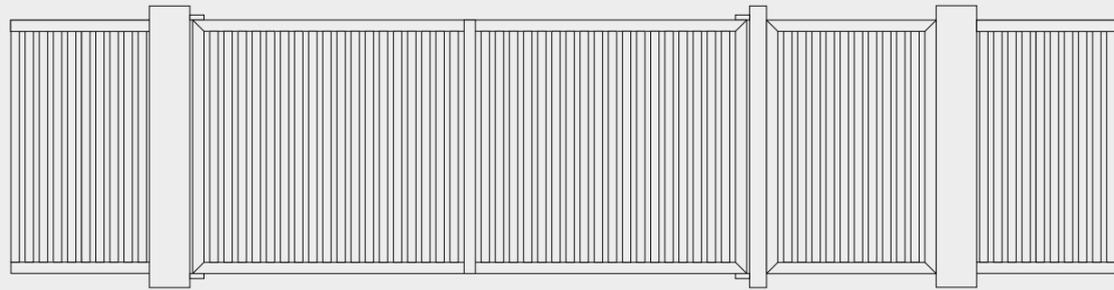
/ The simultaneous attachment of louvers of different cross sections and at different angles is recommended for more modern constructions. Additionally, the combination of aluminium and WOODALUX provides aesthetically unparalleled creations.

/ Special "blind" profile that gives a "Barcode" style result and can be combined with similar cladding solutions.

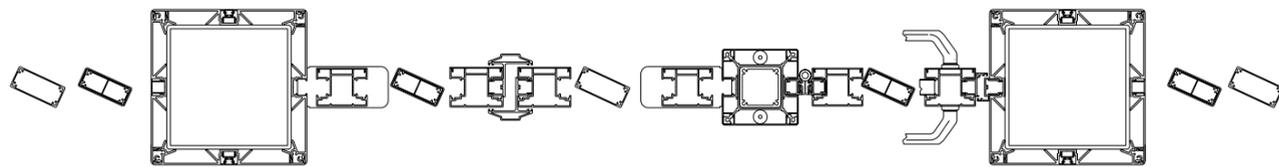


## Single and double-leaf gate

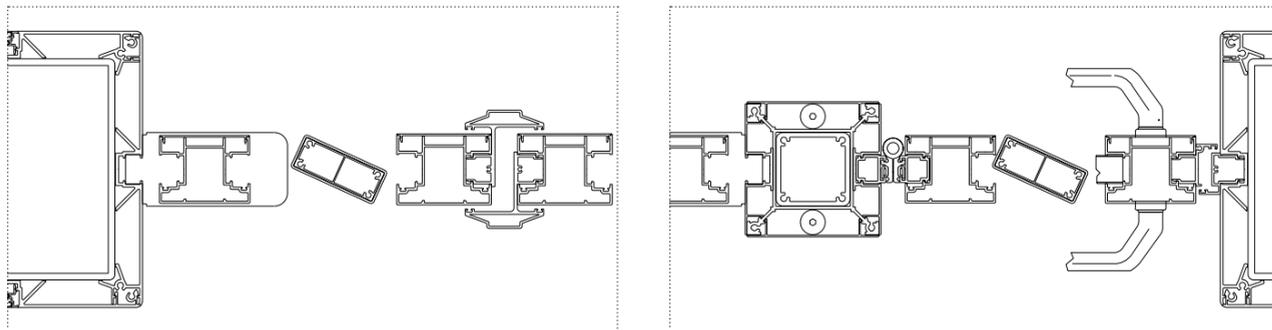
- ▶ with 250mm and 120mm posts
- ▶ fence with aluminium profile and WOODALUX (32x80mm)



### Section

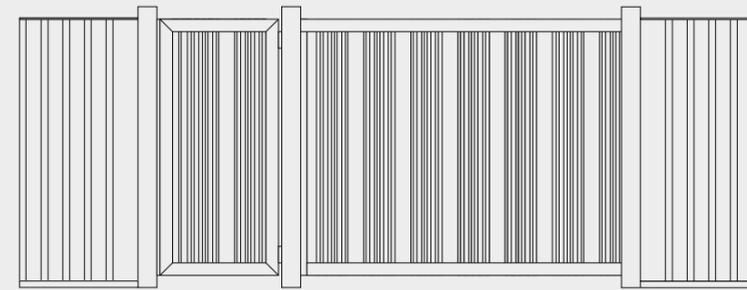


### Details

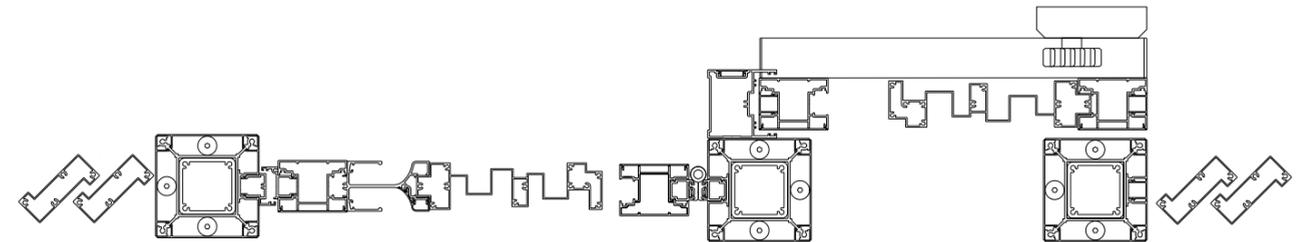


## Sliding and single-leaf gate

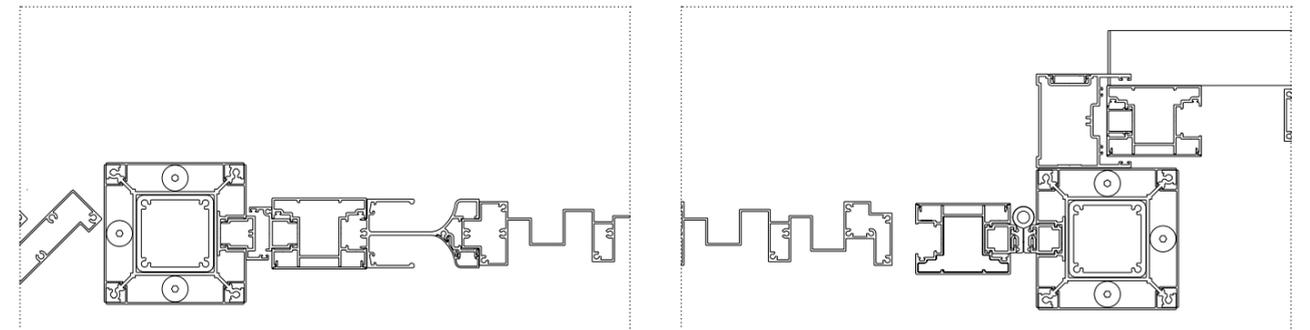
- ▶ with "barcode" style louver and 120mm posts
- ▶ fence with "Z" shape louver



### Section



### Details



Series  
FC80

Code  
8001

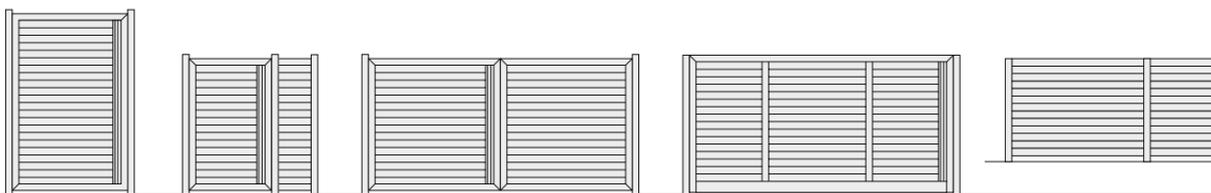
▶ 90mm overlapping louver for robust, closed panel. Use of extra transom profiles, depending on leaf dimensions.



▶ 8001 - D



▶ 8001 - F



▶ 8001    G Single-leaf gate    A Single-leaf gate with fixed construction    D Double-leaf gate    S Sliding gate    F Fence

Series  
FC80

Code  
8003

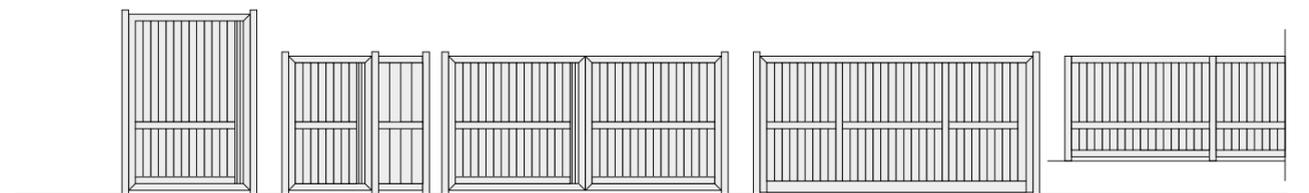
▶ 90mm overlapping louver in vertical direction for creation of robust, closed panel. Use of one horizontal transom for the design and more vertical ones depending on leaf dimensions.



▶ 8003 - D



▶ 8003 - F



▶ 8003    G    A    D    S    F

Series  
FC80

Code  
8005

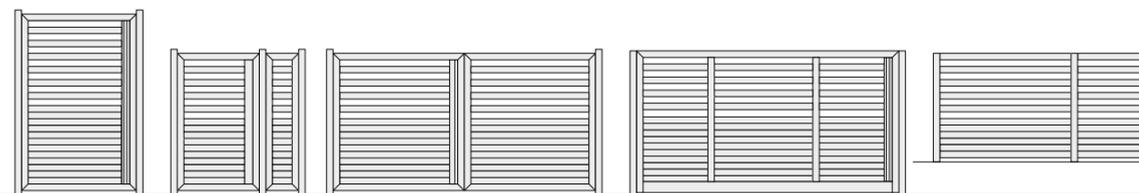
▶ 90mm overlapping louver at the bottom and 80mm rectangular louver on top, with equal spacing. The two surfaces are divided with a transom profile.



▶ 8005 - D



▶ 8005 - F



▶ 8005

G

A

D

S

F

Series  
FC80

Code  
8007

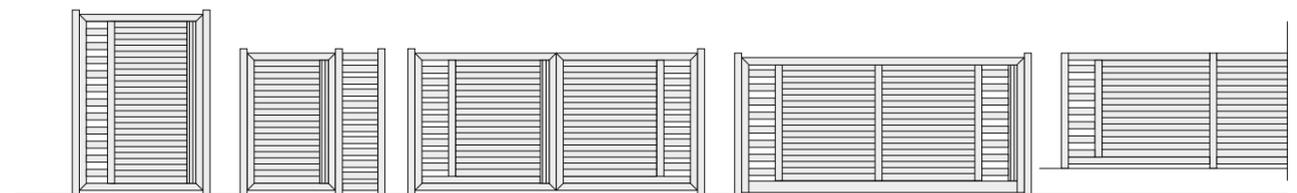
▶ Use of rectangular profiles on both pattern surfaces. Blind surface are with louvers of 120mm height. The other louvers are of 60mm height with equal spacing.



▶ 8007 - D



▶ 8007 - F



▶ 8007

G

A

D

S

F

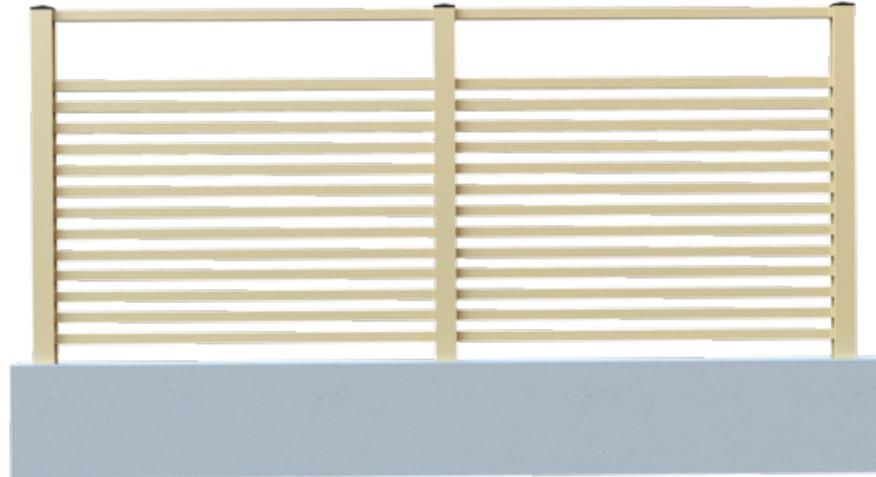
Series  
FC80

Code  
8009

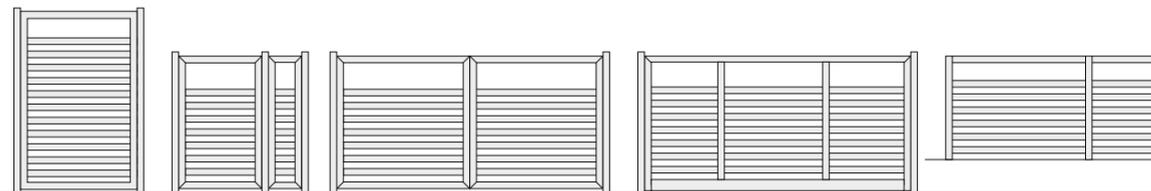
► Use of rectangular 60mm profiles, with equal spacing in-between. The spacing on top is 240mm.



► 8009 - D



► 8009 - F



► 8009

G

A

D

S

F

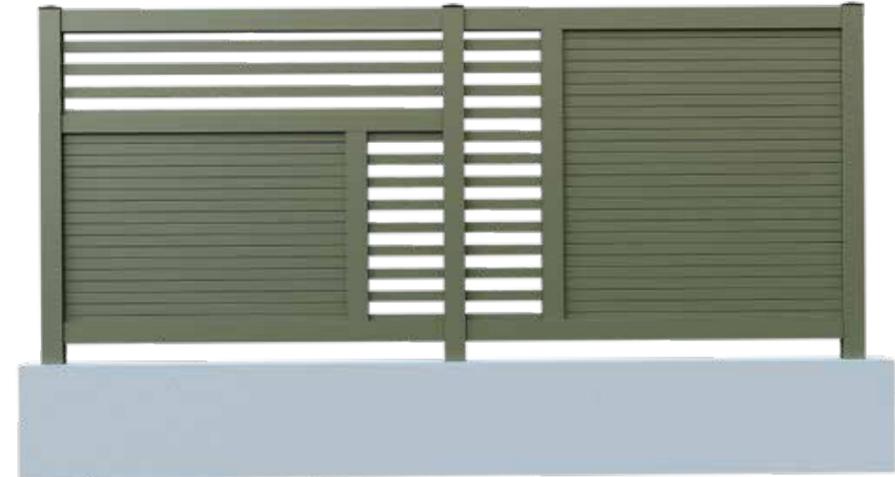
Series  
FC80

Code  
8011

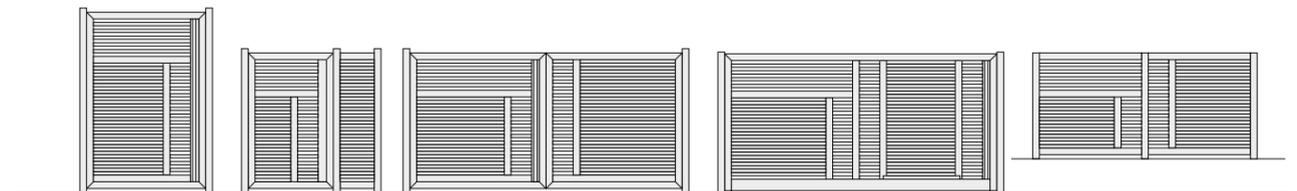
► All louvers are of 40mm height. The width of the part with spacing is 30cm wide.



► 8011 - D



► 8011 - F



► 8011

G

A

D

S

F

Series  
FC80

Code  
8013

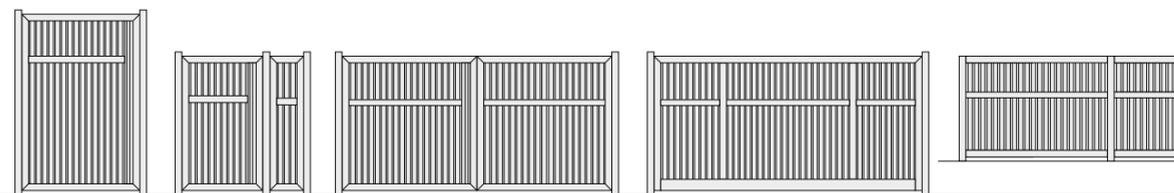
► Placement of rectangular 120mm louver with 30mm spacing. Use of horizontal and vertical transom profile for design and reinforcement.



► 8013 - D



► 8013 - F



► 8013 G A D S F

Series  
FC80

Code  
8015

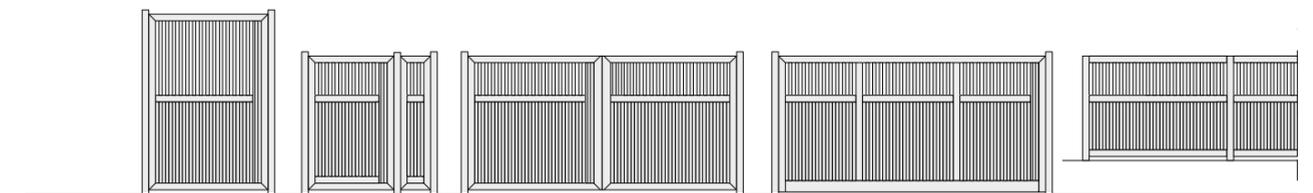
► Vertical placement of louvers 40mm, rectangular on top and overlapping at the bottom in "blind" surface, and use of extra transom, depending on leaf dimensions.



► 8015 - D



► 8015 - F



► 8015 G A D S F

Series  
FC80

Code  
8017

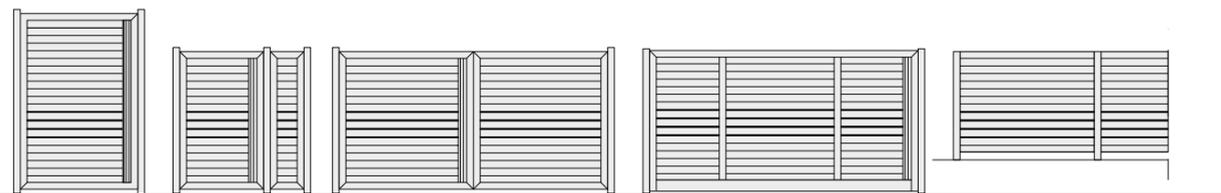
► Use of overlapping louvers 90mm, combined with 4 sequential decorative bars i.e. natural anodised. Use of extra transom, depending on leaf dimensions.



► 80017 - D



► 8017 - F



► 8017 G A D S F

Series  
FC80

Code  
8019

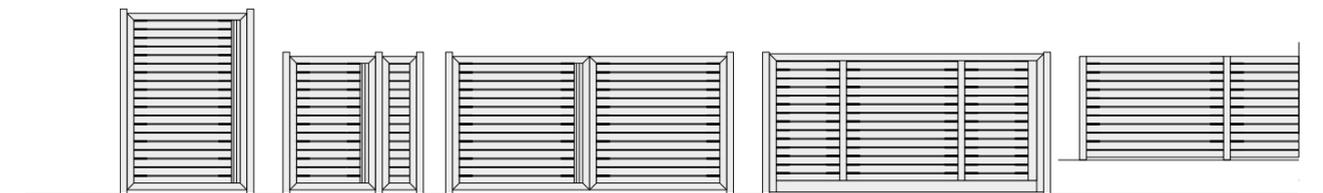
► Use of overlapping louvers 90mm, combined with decorative profiles at the edges i.e. natural anodised. Use of extra transom, depending on leaf dimensions.



► 8019 - D



► 8019 - F



► 8019 G A D S F

Series  
FC80

Code  
8021

▶ Aluminium surface with overlapping louvers 90mm, and inlaid windows with premium composite Woodee (3-4 bars). Decorative frames with bi-color option (anodisation) and use of extra transom profiles depending on leaf dimensions.



▶ 8021 - D



▶ 8021 - F



▶ 8021 G A D S F

Series  
FC80

Code  
8023

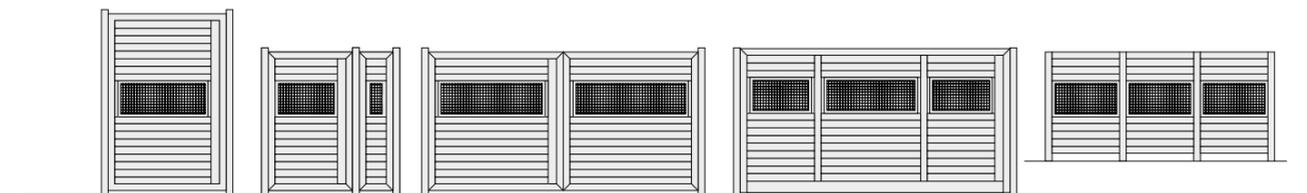
▶ Aluminium surface with overlapping louvers 90mm and inlaid windows with perforated aluminium sheet 40cm. Decorative frames with bi-color option (anodisation) and use of extra transom profiles depending on leaf dimensions.



▶ 8023 - D



▶ 8023 - F



▶ 8023 G A D S F

Series  
FC80

Code  
8025

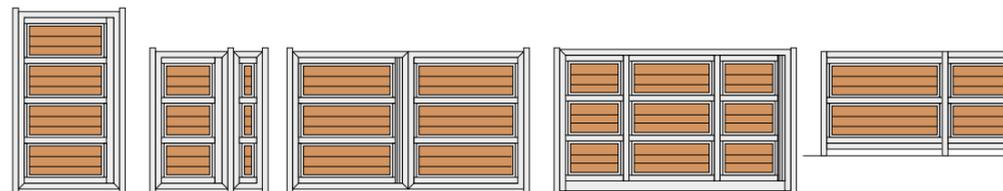
► Creation of a grid with three or more parts in height in the leaves case.  
Profiles of composite Woopee 130-150mm. Perimetrical frame with bi-color  
option (anodisation).



► 8025 - D



► 8025 - F



► 8025

G

A

D

S

F

Series  
FC80

Code  
8027

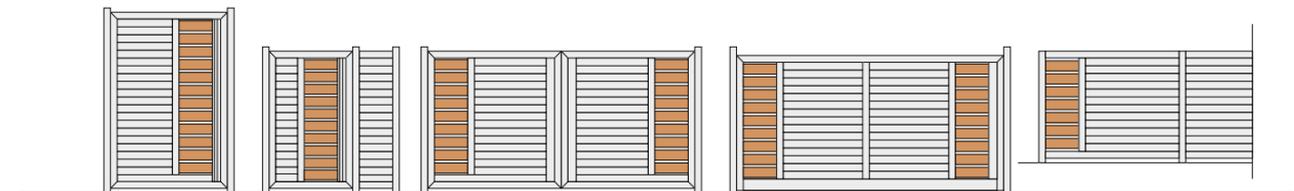
► With aluminium overlapping louver 90mm for the blind surface and Woopee  
120mm with small spacing (~3cm). Use of extra transom profiles depending on leaf  
dimensions.



► 8027 - D



► 8027 - F



► 8027

G

A

D

S

F

Series  
FC80

Code  
8029

▶ With aluminium overlapping louver 90mm for the blind surface and perforated aluminium sheet at the edges. Use of extra transom profiles depending on leaf dimensions.



▶ 8029 - D



▶ 8029 - F

Series  
FC80

Code  
8031

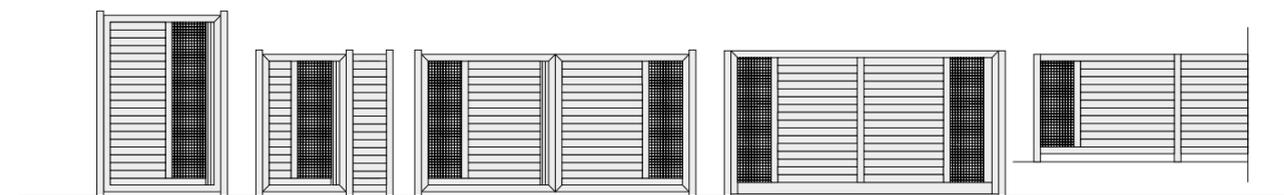
▶ With aluminium overlapping louvers 90mm for the blind surface and glass at the edges. Use of extra transom profiles depending on leaf dimensions.



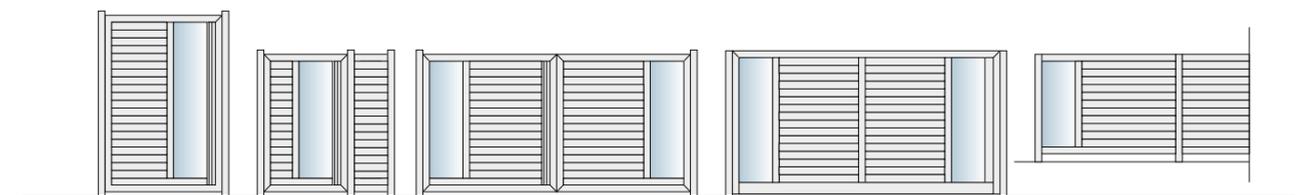
▶ 8031 - D



▶ 8031 - F



▶ 8029 G A D S F



▶ 8031 G A D S F

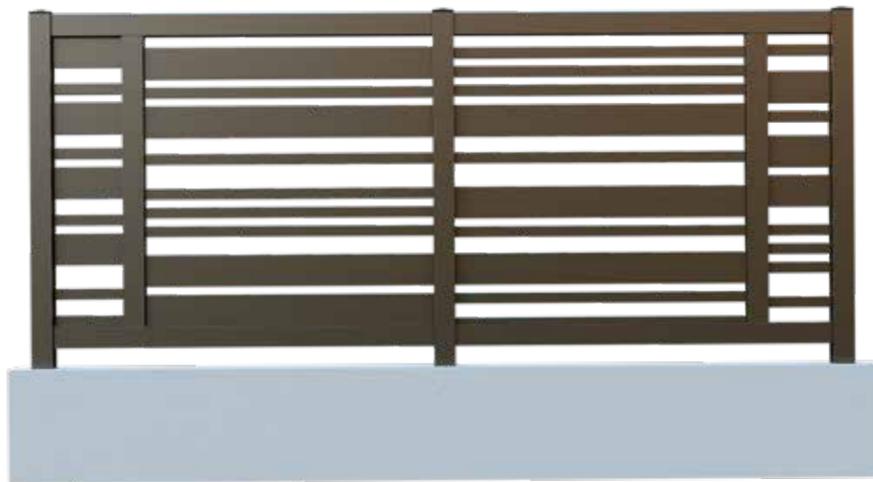
Series  
FC80

Code  
8033

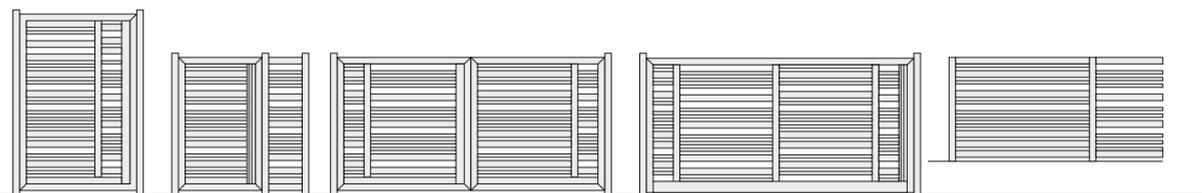
▶ With rectangular louvers 120mm and 40mm placed in particular pattern and variable spacings. Use of extra transom profiles depending on leaf dimensions.



▶ 8033 - D



▶ 8033 - F



▶ 8033 G A D S F

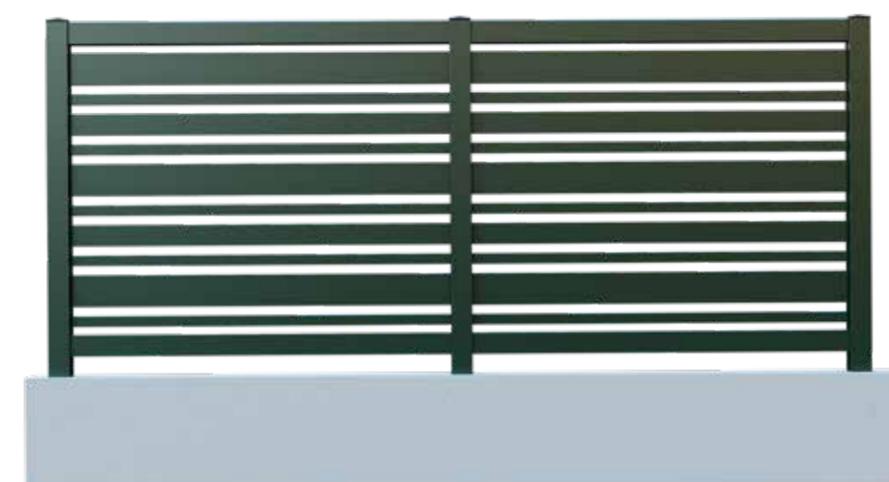
Series  
FC80

Code  
8035

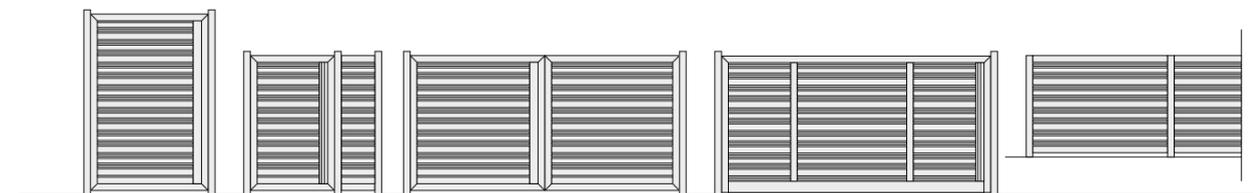
▶ With rectangular louvers 120mm, 60mm and 25mm placed in particular pattern and standard spacing 25mm. Use of extra transom profiles depending on leaf dimensions.



▶ 8035 - D



▶ 8035 - F

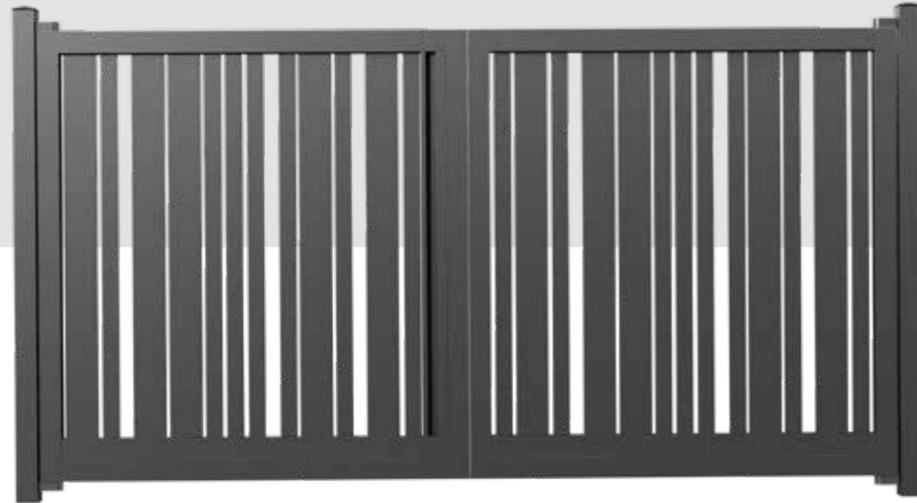


▶ 8035 G A D S F

Series  
FC80

Code  
8037

▶ With rectangular louvers 120mm and 60mm vertically placed, in particular pattern and with variable spacings.



▶ 8037 - D



▶ 8037 - F

Series  
FC80

Code  
8039

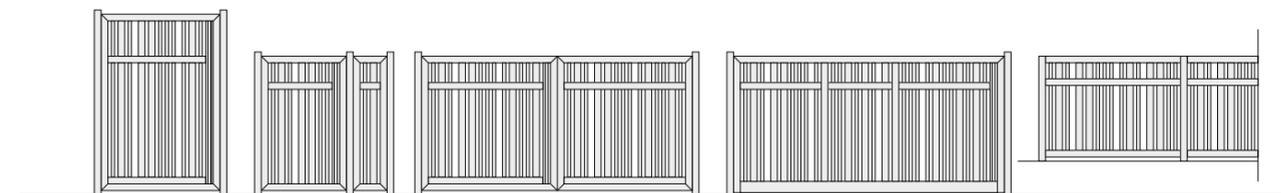
▶ Horizontally placed overlapping louvers 90mm and two lines with 40mm louvers with equal distance at the bottom. Use of extra transom profile depending on leaf dimensions.



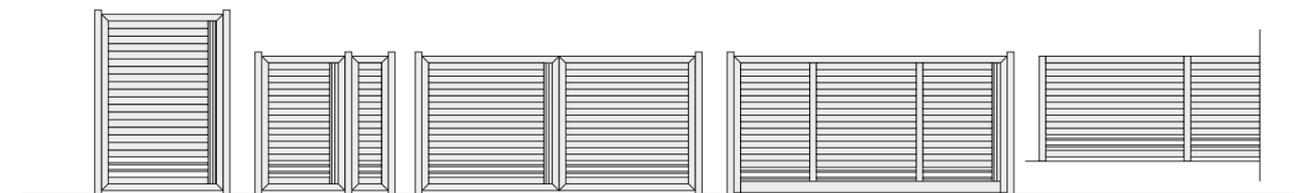
▶ 8039 - D



▶ 8039 - F



▶ 8037 G A D S F



▶ 8039 G A D S F

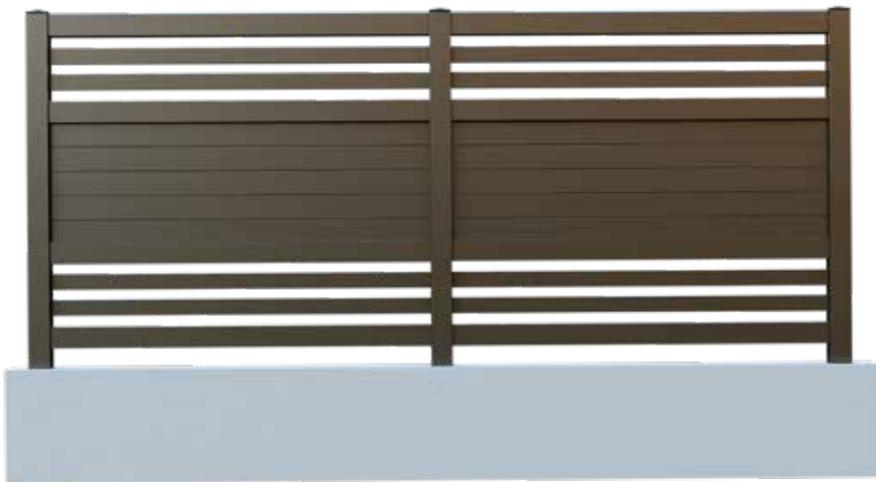
Series  
FC80

Code  
8041

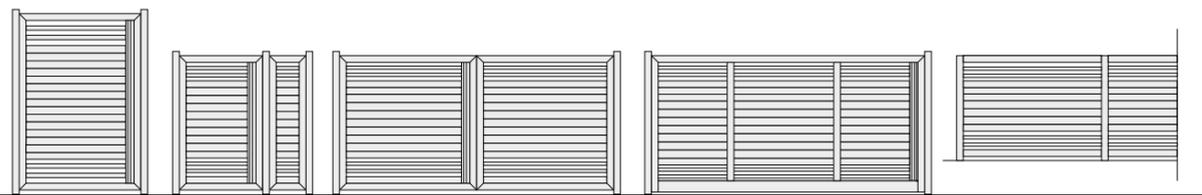
▶ Horizontally placed overlapping louvers 90mm and two lines with 40mm louvers with equal spacing. Use of extra transom profiles depending on leaf dimensions.



▶ 8041 - D



▶ 8041 - F

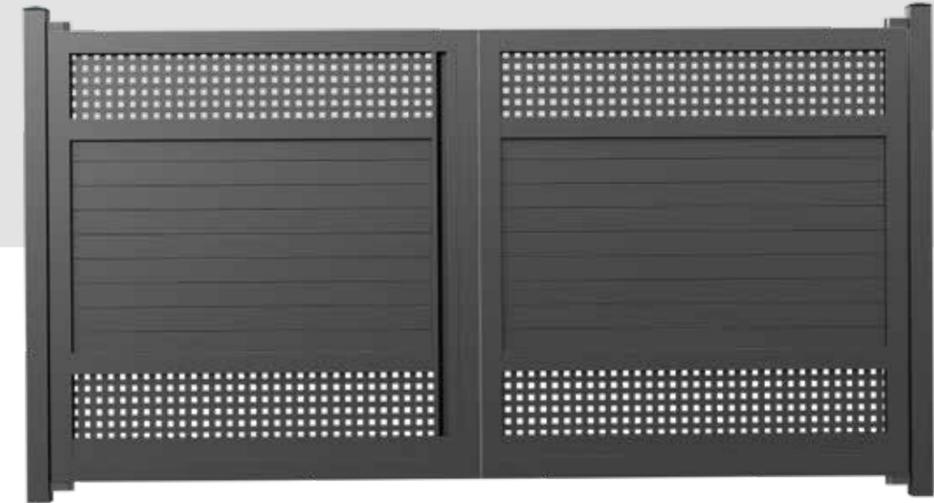


▶ 8041 G A D S F

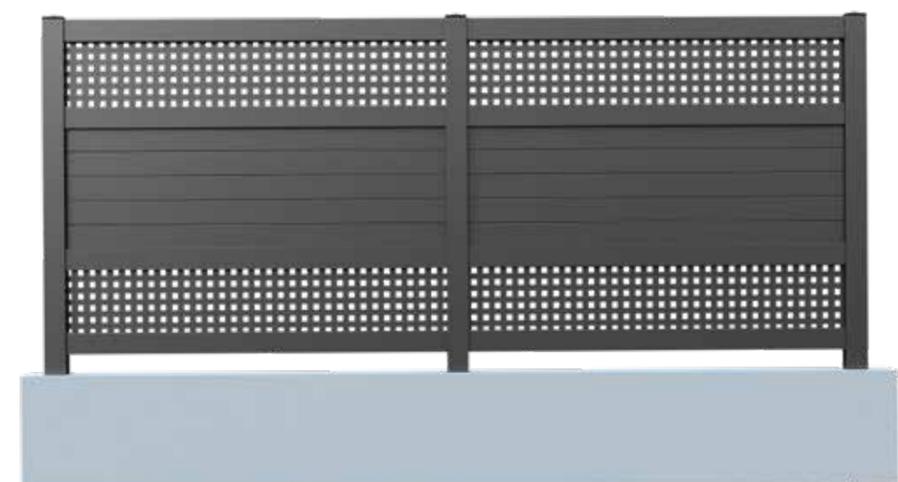
Series  
FC80

Code  
8043

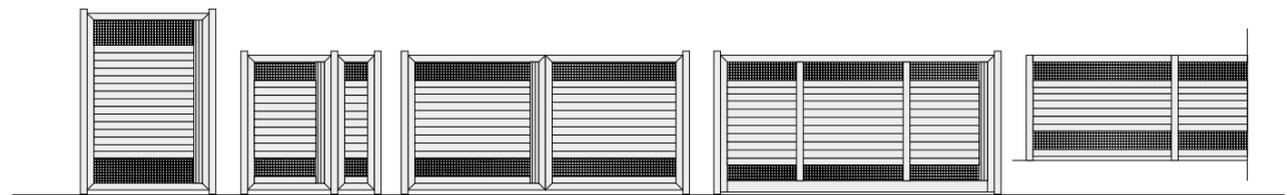
▶ Horizontally placed overlapping louvers 90mm and perforated aluminium sheet. Use of extra transom profiles depending on leaf dimensions.



▶ 8043 - D



▶ 8043 - F



▶ 8043 G A D S F

Series  
FC80

Code  
8045

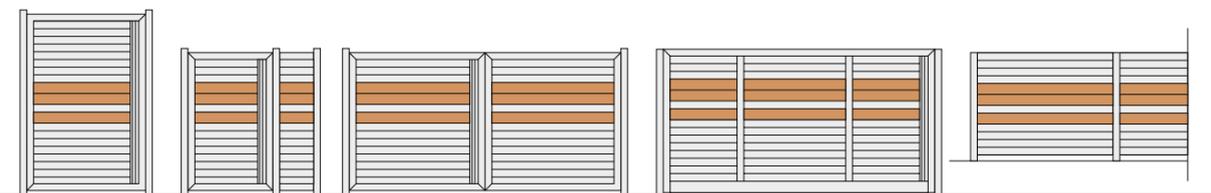
▶ Horizontally placed overlapping louvers 90mm and 2+1 WOOPEE 150mm composite wood bars. Use of extra transom profiles depending on leaf dimensions.



▶ 8045 - D



▶ 8045 - F



▶ 8045 G A D S F

Series  
FC80

Code  
8047

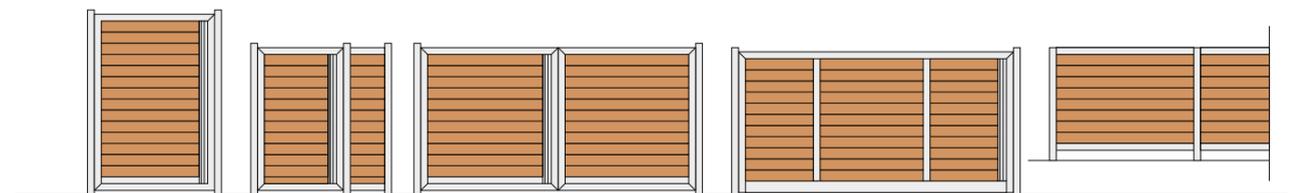
▶ Horizontally placed WOOPEE louvers 130mm of composite wood creating a blind surface. Use of extra transom profiles depending on leaf dimensions.



▶ 8047 - D



▶ 8047 - F



▶ 8047 G A D S F

Series  
FC80

Code  
8049

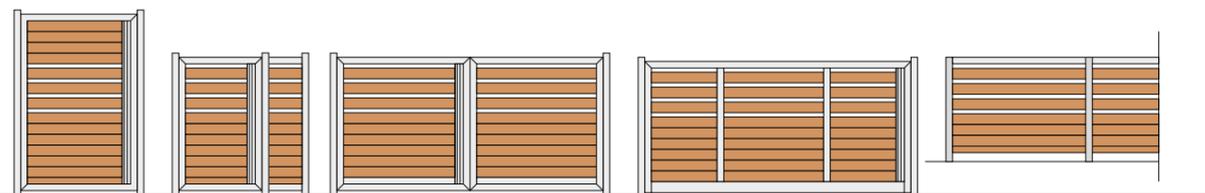
▶ With WOOPEE louvers 130mm of composite wood, placed on top with 50mm spacing, use of extra transom profiles depending on leaf dimensions.



▶ 8049 - D



▶ 8049 - F



▶ 8049 G A D S F

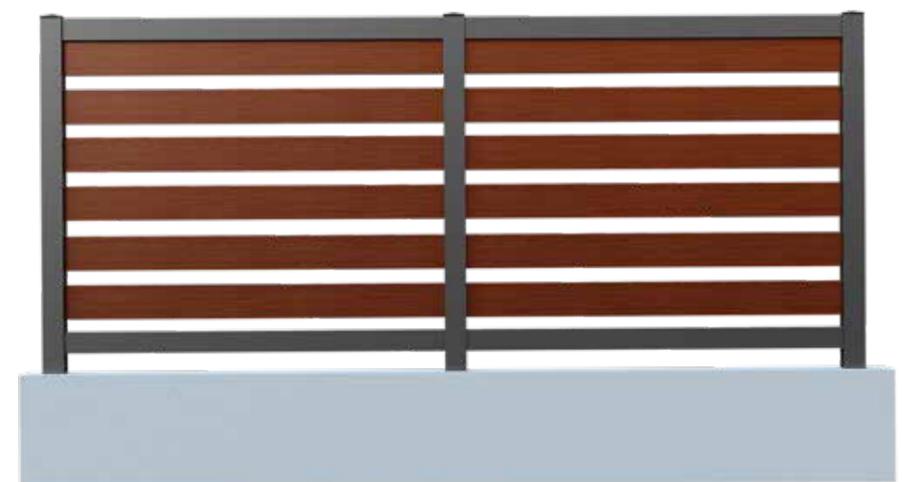
Series  
FC80

Code  
8051

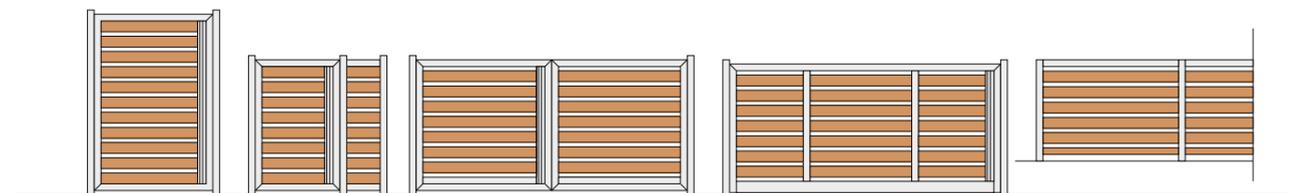
▶ Horizontally placed WOOPEE louvers 130mm of composite wood and use of extra transom profiles depending on leaf dimensions.



▶ 8051 - D



▶ 8051 - F



▶ 8051 G A D S F

Series  
FC80

Code  
8053

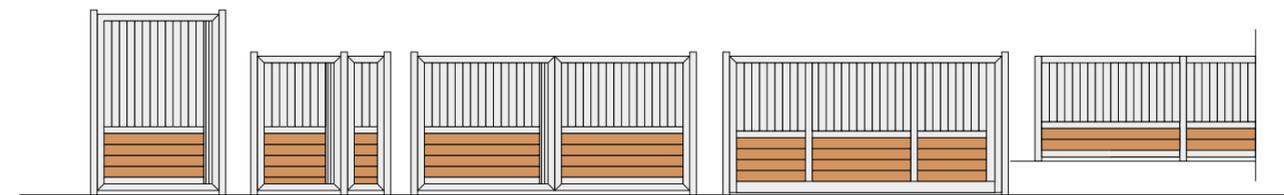
▶ Horizontally placed overlapping louvers 90mm and three 150mm woodee composite wood bars. Use of extra transom profiles depending on leaf dimensions.



▶ 8053 - D



▶ 8053 - F



▶ 8053 G A D S F

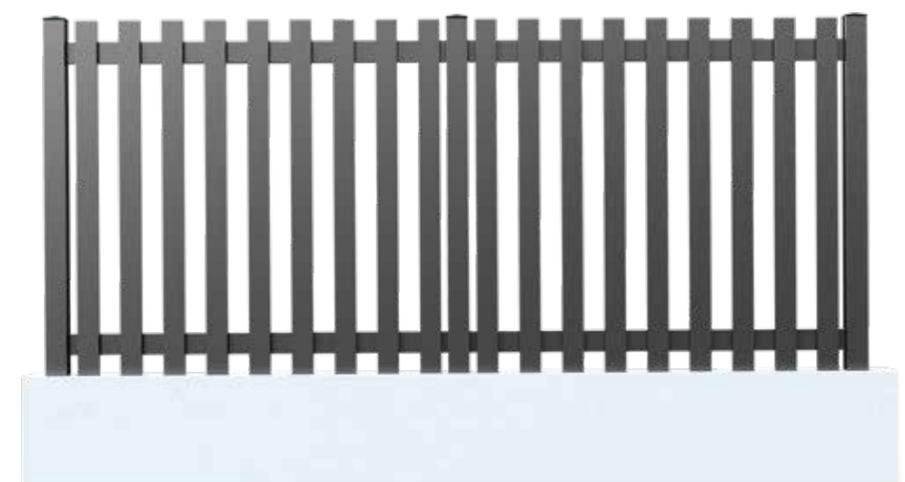
Series  
FC80

Code  
8055

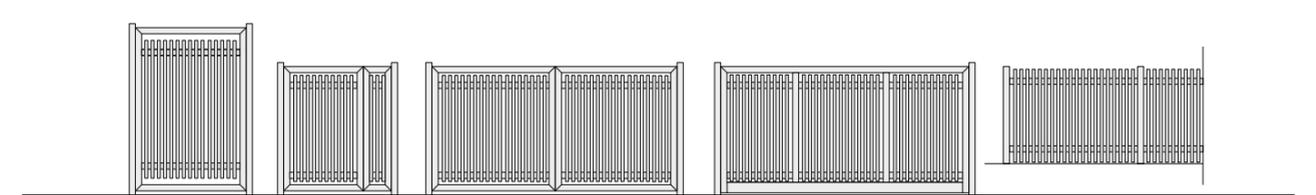
▶ Rectangular aluminium louvers 80mm vertically placed with equal spacing.



▶ 8055 - D



▶ 8055 - F

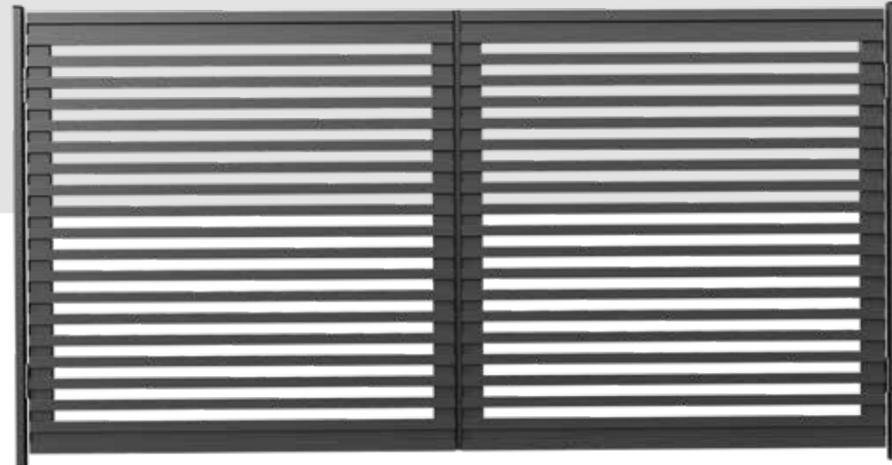


▶ 8055 G A D S F

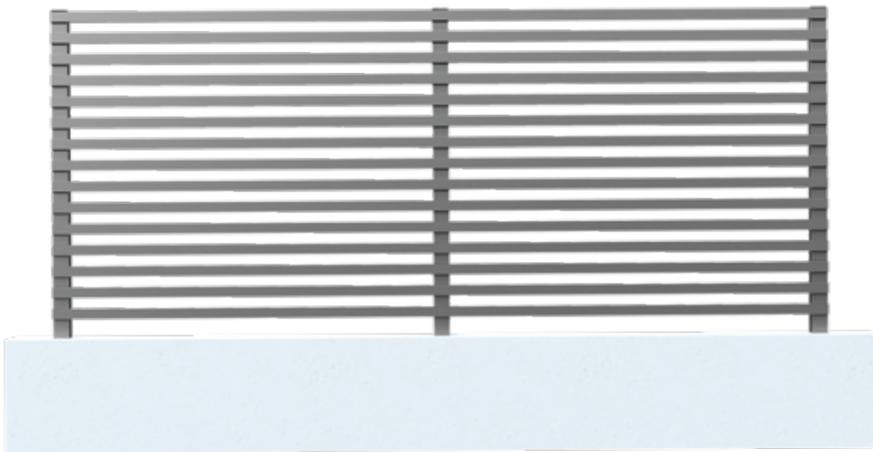
Series  
FC60

Code  
6001

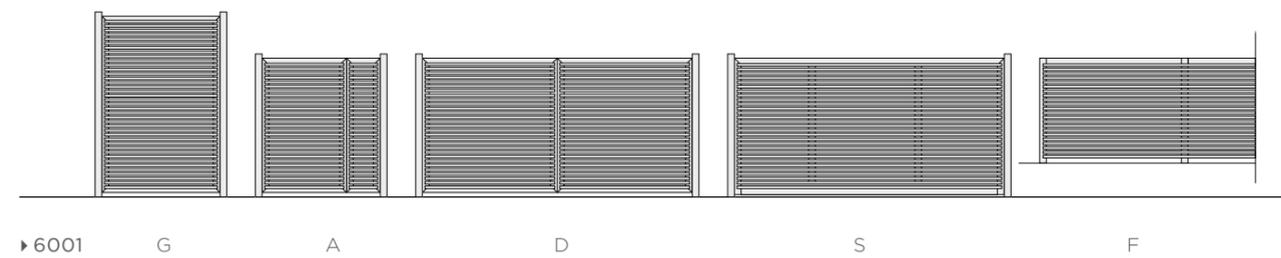
▶ With aluminium louvers 40mm, horizontally placed with equal spacing in-between. Use of extra transom profiles depending on leaf dimensions.



▶ 6001 - D



▶ 6001 - F



▶ 6001 G A D S F

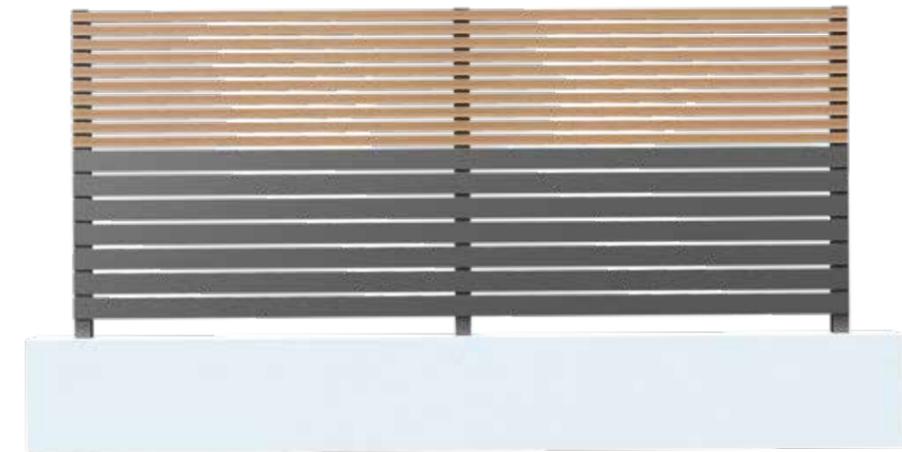
Series  
FC60

Code  
6003

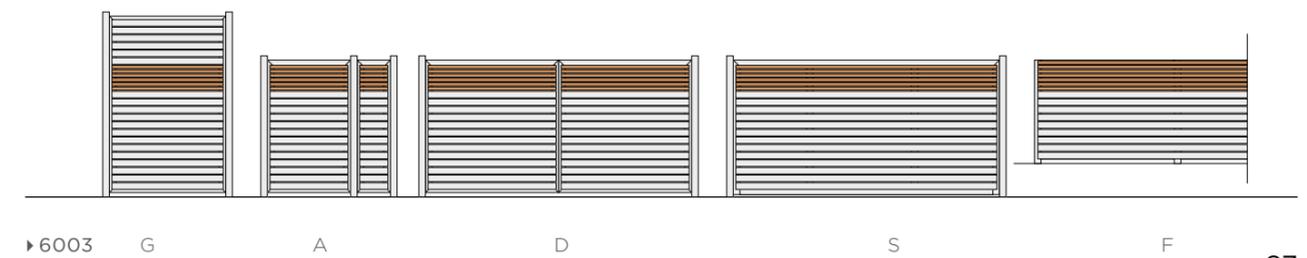
▶ With aluminium 80mm and Woodalux 40x32mm louvers, horizontally placed with a spacing of 10mm in-between. Use of extra transom profiles depending on leaf dimensions.



▶ 8003 - D



▶ 8003 - F

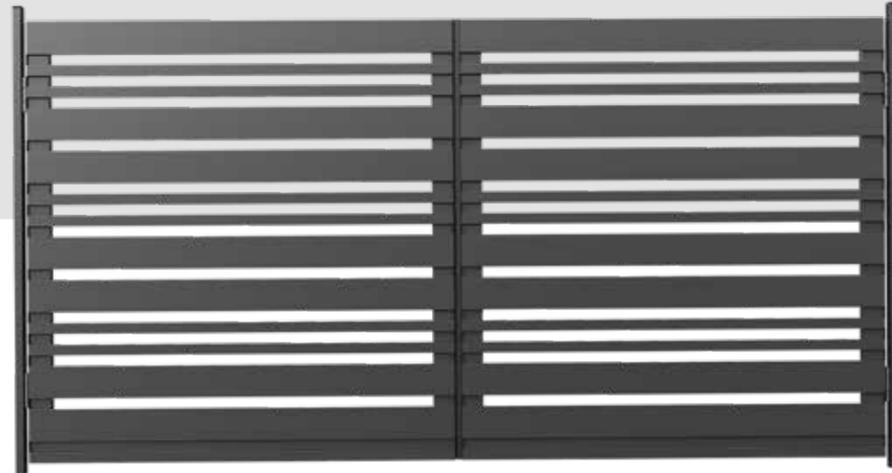


▶ 6003 G A D S F

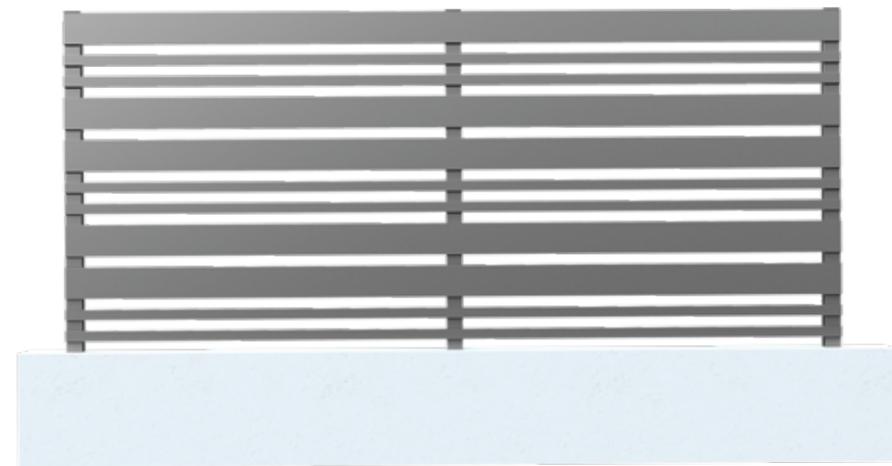
Series  
FC60

Code  
6005

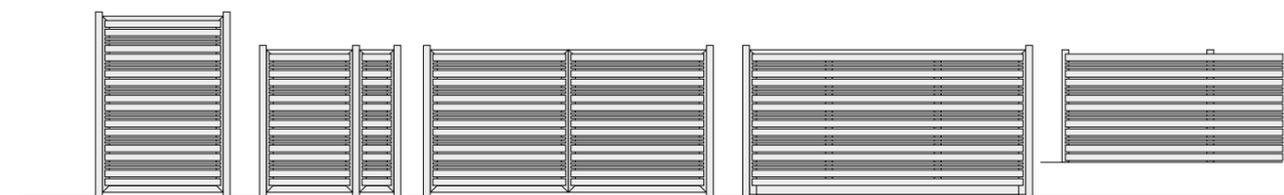
▶ With aluminium louvers 120mm and 40mm, placed with 40mm spacing.  
Use of extra transom profiles depending on leaf dimensions.



▶ 6005 - D



▶ 6005 - F



▶ 6005 G A D S F

Series  
FC10

Code  
1001

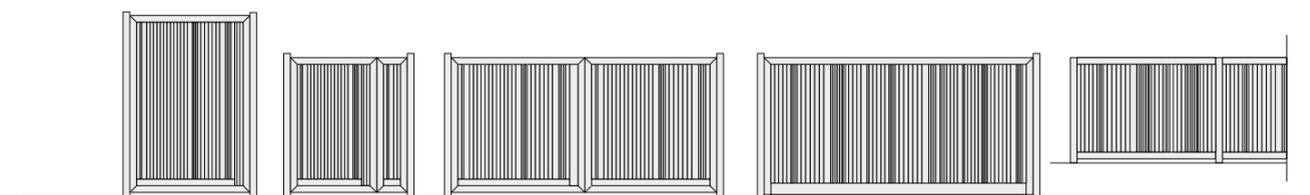
▶ With FC80 gate profiles and by using the special designed barcode profil.



▶ 1001 - D



▶ 1001 - F

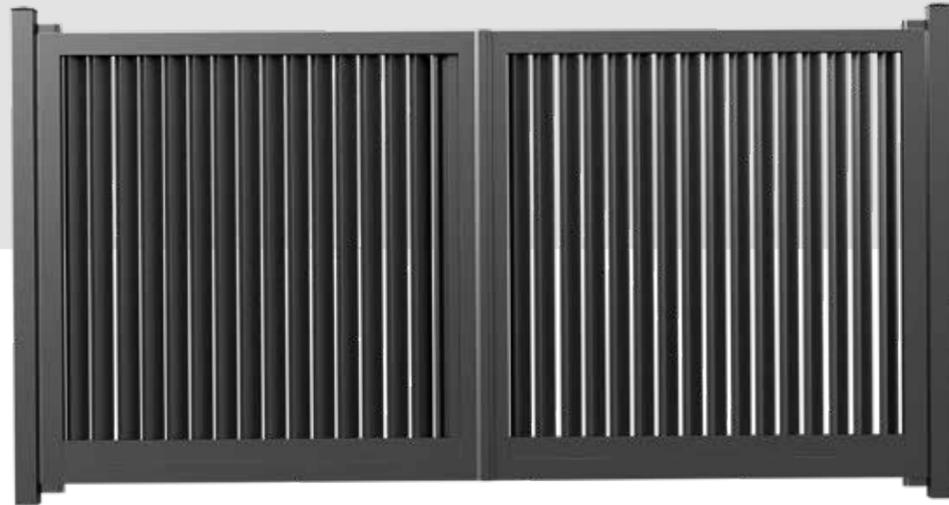


▶ 1001 G A D S F

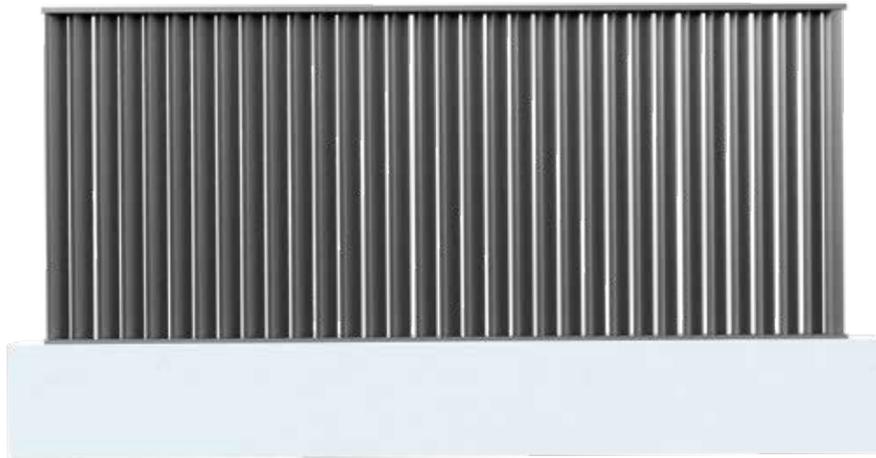
Series  
FC10

Code  
1003

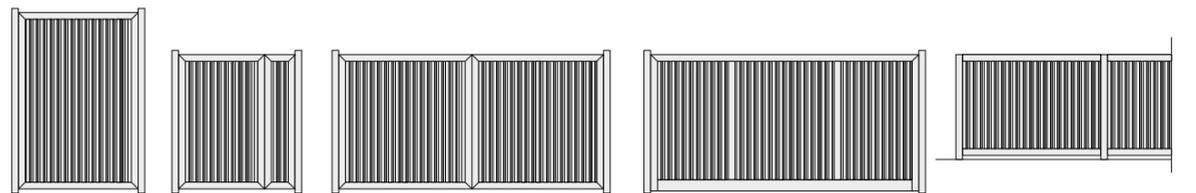
▶ With FC80 gate profiles and aluminium 35x80mm louvers, placed with specific angle.



▶ 1003 - D



▶ 1003 - F



▶ 1003 G A D S F





WOODALUX is an innovative product based on aluminium profiles capped with high quality wood composite coverage. In general, it is ideal for shading and decorative applications, pergolas and fences (louvers), providing long-lasting natural style in buildings and outdoor constructions.

- ▶ Reinforced mechanical durability that allows long lengths without breaking or bending (up to 3.0m)
- ▶ Certified resistance against heavy weather conditions and wood decomposition factors (salinity, insects, decay)
- ▶ Color preservation, even in its direct sun exposure, without the risk of fading
- ▶ Preservation, coating or other types of maintenance work are not required, contrary to wood
- ▶ Wide range of profiles, colors and solutions
- ▶ High levels of aesthetics, innovation, and differentiation from common constructions



WHITE	11
TEAK	31
PALISANDER	29
WALNUT	28
WENGE	26
LIGHT GREY	22
DARK GREY	25
CHALCHORAL	08



120x25mm



120x32mm



40x32mm



60x32mm



80x32mm

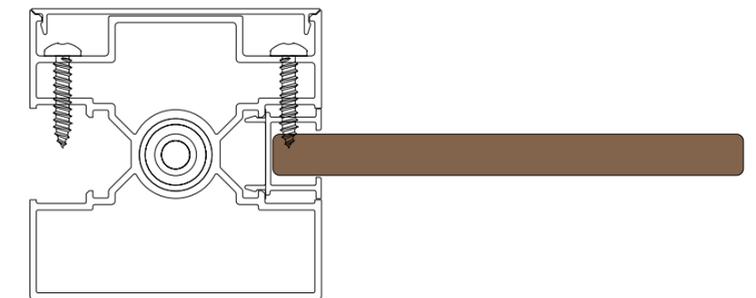


90x25mm



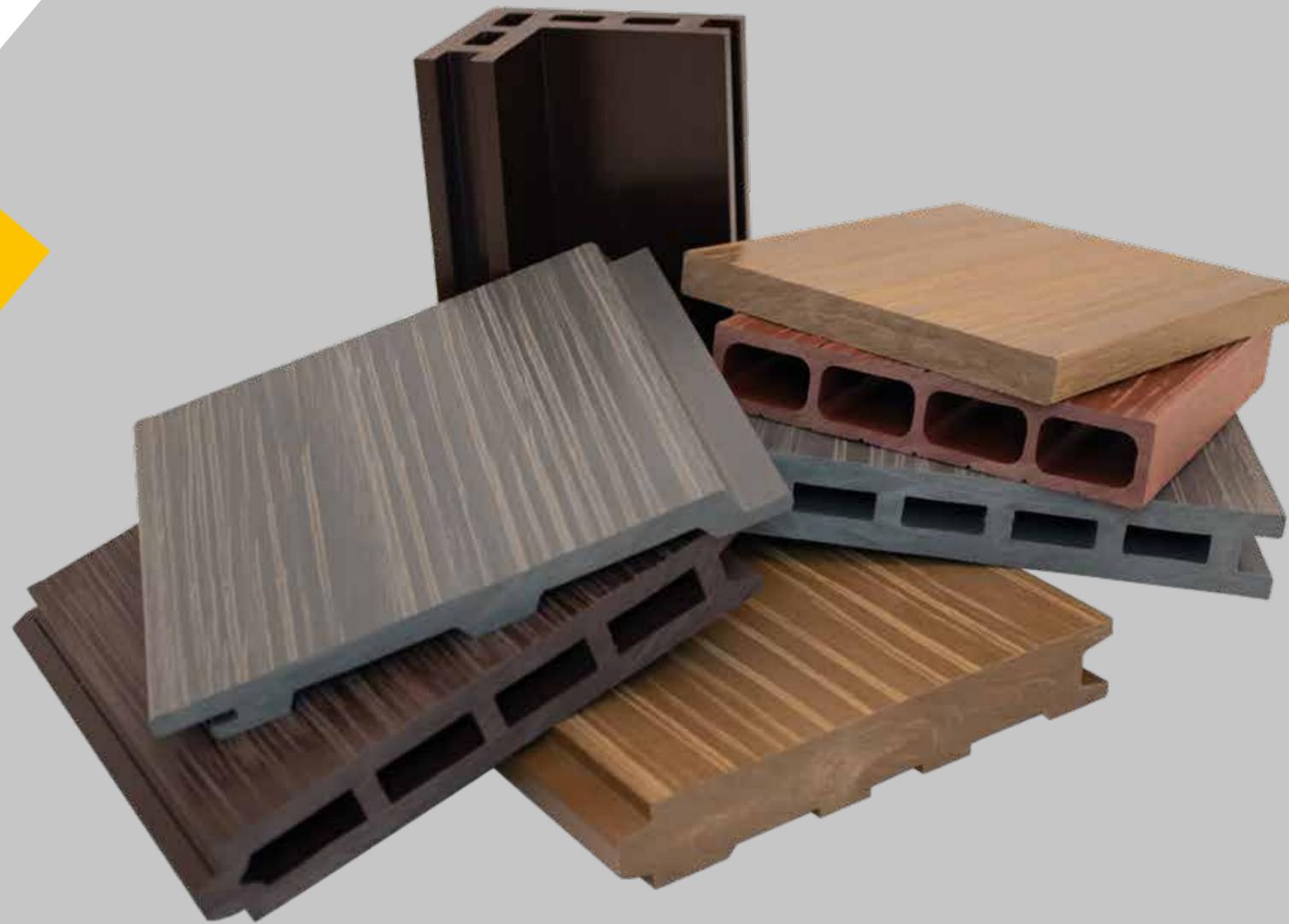
WOODEE is a premium quality product that is consisted of wood composite (60% virgin wood), ideal for decking, fencing and cladding applications in outdoor places. The suitable for fences profile 12x120mm is combined with aluminium allowing unlimited, aesthetically excellent designs. Ideally, a WOODEE fencing is combined with deck and cladding, providing an overall result that shows long-lasting resistance and great style.

- ▶ Natural wood sense, without the disadvantages of decaying and maintenance
- ▶ Certified resistance and color preservation in extreme weather conditions
- ▶ Unlimited design solutions of wood-aluminium



/ Available in various colors

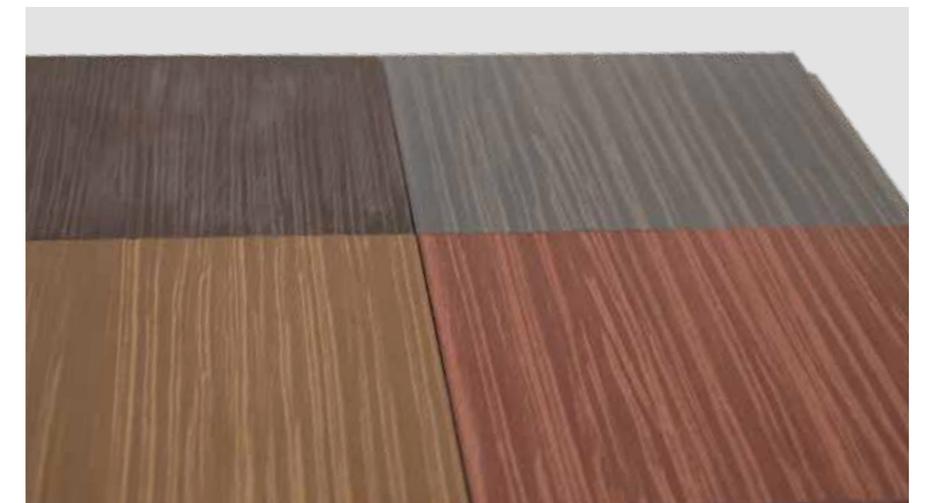




WOOPEE is a wood composite product for decking, fencing and cladding applications, with 55 - 60% wood from recycled sources. It maintains the natural attributes and advantages of wood, while at the same time eliminates the decaying problems. In general, it is available in four color options and in a set of profiles, three of which are most suitable for fencing.

- ▶ Variety of solutions in profiles, colors and applications
- ▶ Long length applications, especially in the case of overlapping profiles
- ▶ Advanced and stylish creations, when combined with aluminium
- ▶ Top resistance to weather conditions

/ Available in various colors



130x13mm



130x25mm

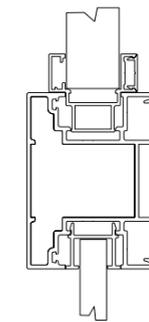


150x25mm

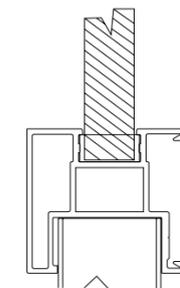
## Decorative glazing

Apart from aluminium louvers and durable wood composite products, SMARTIA FC80 allows the attachment of glazing elements for the construction of modern fences. Stylish design solutions can be created by the addition of glazing in various colors, textures and decorative patterns.

With the use of transom and other special profiles, glass panels can be placed either at the sides of the gate or at any point of its surface.



/ Glazing installation with the use of special profile which shortens the gap from 25mm to 13mm.



/ Special profile for "random" glazing placement between the aluminium louvers.

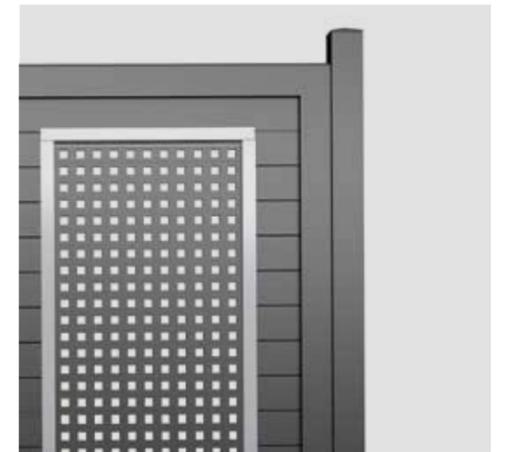
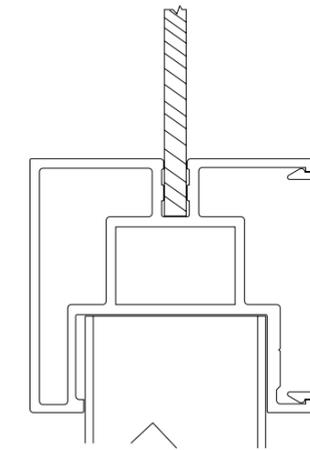
Thanks to its unique design and durability, SMARTIA FC80 fencing system may also be used for simple railing applications. The variety of profiles allows for numerous technical solutions, such as balcony partitioning systems of high aesthetics, especially when aluminium and composite wood are combined.



## Decorative metal sheets

The decorative solutions for fences and gate panels are completed with aluminium sheets, either perforated or not. They create large surfaces without joints, as in the case of louvers, reducing cost without compromising the aesthetics and operation of the product.

Manufacturing is easy, thanks to the special profiles with 3.2mm gap, and the decorative solutions are endless, additionally offering stylish customised solutions.





anti-corrosion protection.

Combine pre-anodizing with unlimited colors, creating long lasting architectural solutions of unparalleled style and quality.

**Color chart with powders of high endurance**



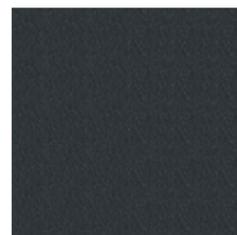
▶ RAL 6009  
Structura YK309F



▶ RAL 8014  
Structura YM314F



▶ GRIS 2150  
Sable YW365F



▶ RAL 7021  
Structura YL321F



▶ RAL 9007  
Structura Y2329F



▶ RAL 1013  
Structura YD313F



▶ 522  
Sahara Shade



▶ 815  
Mesogeios Crete



▶ RAL 7034  
Structura YL334F



▶ RAL 3005  
Structura YG305F



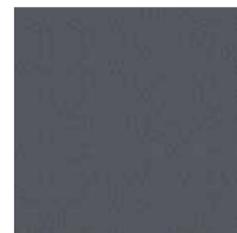
▶ RAL 7016  
Structura YL316F



▶ RAL 9010  
Structura YA310F



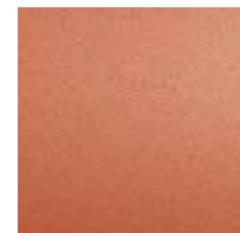
▶ RAL 7012  
Structura YL312F



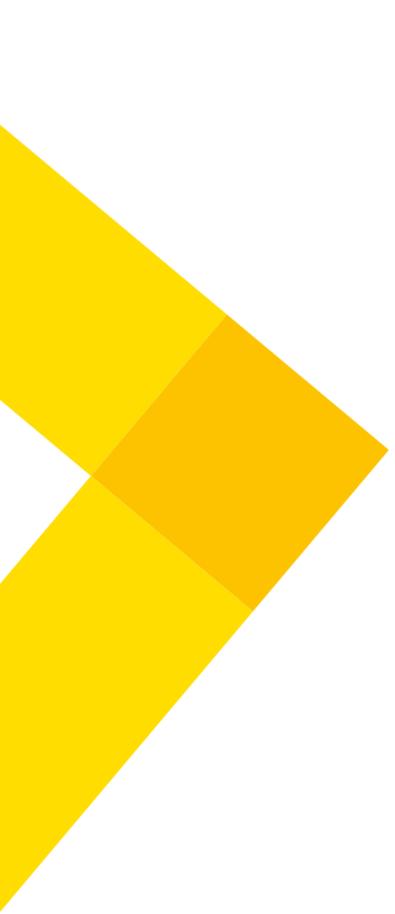
▶ RAL 7015  
Structura YL315F

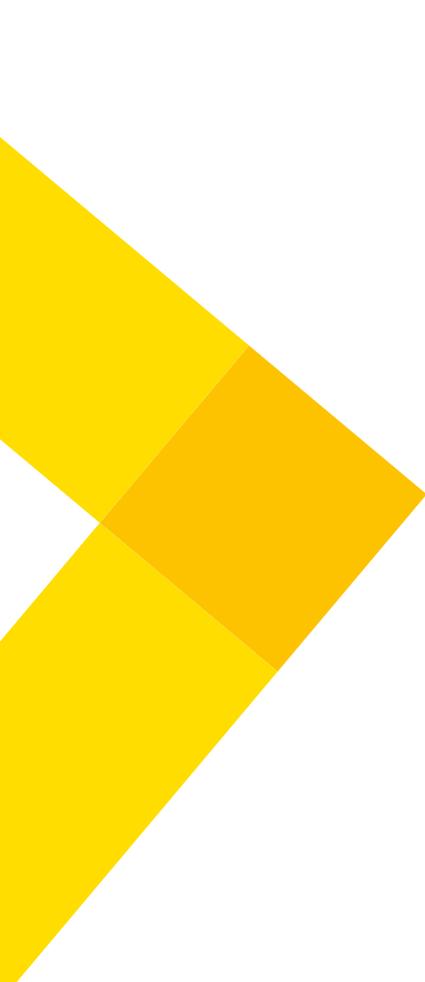


▶ RAL 6005  
Structura YK305F



▶ 801  
MesogeiosCorsica





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