



- CURTAINWALL ●
- DOOR ●
- WINDOW ●
- LOUVER ●
- SUN BREAKER ●
- HANDRAIL ●
- BALCONY RAIL ●
- GUARDRAIL ●
- SECURITY FENCE ●



CANADIAN ARCHITECTURAL & ENGINEERED PRODUCTS



Introduction

Until recently, architectural specialties Industry was saturated by handful of players, that offered limited specifications and left little or no room for tailor-made solutions or customization. To break this hegemony, a group of engineers got together in Canada and found Prospec Specialties in 2011. Since then, Prospec, has grown to manufacture a wide range of architectural products to suit your dynamic project needs. Customization and value-engineering being our core competency.



Providing Solutions.



Mission

Prospec Specialties shall design, manufacture and market high quality building materials to sell them at customer friendly pricing with quick turn-around time.

Table of Contents

CURTAIN WALL	04 - 08
HINGED WINDOWS AND DOORS	09 - 13
SLIDING WINDOWS AND DOORS	14 - 15
LOUVER DOORS	16 - 18
BI-FOLDING DOORS.....	19 - 20
SUN BREAKERS	21 - 25
HANDRAILS	26 - 27
BALCONY RAILS	28 - 29
GUARDRAILS	30 - 31
SECURITY FENCE	32 - 34





In the realm of modern architecture, curtain walls have emerged as an innovative and captivating solution to the design and construction of buildings. These architectural marvels not only enhance the aesthetic appeal of structures but also offer numerous functional benefits. A curtain wall refers to an exterior building envelope system that comprises of lightweight materials such as glass and aluminum.



CURTAIN WALL

TB50

50mm thick TB-50 curtain wall with thermal break which separates the outside temperature from the inside, thus, interiors remain temperature controlled. Great saving on energy bills. Recommended for the areas of extreme heat or cold temperatures. Available in 30mm double glass.



BA50

Curtain wall BA50 is designed for non-thermal. Contains all goodness of TB50 but a more economical option for low-rise buildings, suitable for the areas where the temperatures are not extreme ranging from 20 degrees to 34 degrees. Suits 24mm double glass.

PP50

Curtain wall PP50 consists of pressure plate which is responsible for holding the glass and a cover to put accent to the outer design of the curtain wall. Suits 24mm double glass.



SG50

Curtain wall SG50 is an orthodox system with single glass of 6mm thickness. Suitable for low-rise, generally one floor commercial, residential buildings.

TBPP50

Curtain wall TBPP50 is having a combination of thermal break and pressure plate. Replacing the need for an adapter that is used in PP50. This Curtain wall is suitable in areas with extreme heat and cold temperatures as there is a thermal strip between the 2 sections. Using the pressure plate to hold the glass in place and to accent the design of the curtain wall.



VERWAL-PLUS

Verwal Plus, a sleek design 40mm thick curtainwall which uses a pressure plate and cover on its vertical and horizontal elements, with different mullion sizes that can cater to all ur project needs. This system is designed for 28mm double glass.

VERWAL-ZEN

Verwal Zen, for modern looks 40mm thick curtain wall using structural silicon on the glass gaps. You can select from different mullion sizes to cater your project needs. This curtain wall uses 28mm thick double glass.



VERWAL-DETLA

Verwal Delta, 40mm thick curtain wall with exceptional design. Using a pressure plate and cover on its horizontal and silicon for its vertical. Glass size is 28mm and you can select from different mulion sizes to cater your project needs.

VERWAL-ECO

Similar to Verwal Delta. Verwal Eco is also a 40mm curtain wall and is designed as vertical pressure plate and cover with silicon on its horizontal. Uses 28mm glass with an option to select from different mullion sizes which is suitable for your project needs.



VERWAL-ALPHA

This curtain wall uses a horizontal bull nose cover and a silicon on its vertical. 40mm thick curtain wall with different height of mullion which you can select to suit your design needs. Uses 28mm double glass.

VERWAL-OMEGA

Similar to Verwal Alpha. Verwal Omega also uses pressure plate and cover on its vertical and silicon for its horizontal section. Curtain wall width is 40mm and you can select from different heights available to cater to your design needs. Uses 28mm glass.



VERWAL-BOLD

Verwal Bold, a 40mm width curtain wall using a flat pressure plate measuring 50mm width and 9mm height, uses 28mm double glass, options of different mullion sizes available to cater to your various design needs.

VERWAL-SUPER

Verwal Super, a 40mm curtain wall with flat vertical and tapered design horizontal cover. This curtain wall uses 28mm double glass. Available various mullion sizes to cater your design needs.



VERWAL-GRAND

Verwal Grand, a 40mm curtain wall with flat horizontal cover and arched vertical cover. This curtain wall uses 28mm double glass. Select from different mullion sizes to cater your project needs.

ADVANTAGES

VERWAL's most significant advantages is their ability to create visually stunning façades. The extensive use of glass enables transparency, allowing occupants to enjoy panoramic views and a sense of connection with the surroundings. The sleek and modern appearance of **VERWAL** complements contemporary architectural styles, making them a popular choice globally for commercial and high-rise buildings.

VERWAL maximize the entry of natural light into the building, reducing the need for artificial lighting during the day. This enhances the occupants' well-being, boosts productivity, and minimizes energy consumption. Additionally, advanced glazing technologies, such as low-emissivity coatings and double or triple glazing, improve thermal insulation and reduce heat transfer, leading to enhanced energy efficiency.

VERWAL offer architects and designers a high degree of flexibility in terms of form, size, and appearance. They can be customized to fit the unique requirements of each project, enabling the creation of striking and iconic structures. The availability of various glass types, finishes, and panel configurations further expands the design possibilities, facilitating creative expression and architectural diversity.


CAREFUL CONSIDERATIONS

VERWAL offer numerous advantages by carefully addressing the crucial factors design and implementation:

Structural Considerations: The structural integrity of **VERWAL** is of utmost importance. Adequate support and load-bearing capabilities are factored in to ensure the safety and stability of the building. Feed-back from architects, structural engineers and installers are always recorded and factored in during product modifications and during the design of new components. This helps us achieve the desired balance between aesthetics and structural functionality.

Weather Consideration: **VERWAL** maintains weather resistance and makes sure that interiors are always protected from elements such as wind, rain, and temperature variations. **VERWAL** design along with good installation ensures long-term durability.

Maintenance Consideration: **VERWAL** preserves its appearance and functionality for a long time. Seals and gaskets are always maintained in stock at local level for immediate repair and replacement.



Aluminum hinged windows and doors are a type of architectural element commonly used in residential, commercial, and industrial buildings. They are designed with hinges that allow them to swing open and closed like traditional doors and windows. Aluminum is a popular material for these applications due to its durability, strength, and aesthetic appeal.

Benefits of Sliding Windows and doors:

- Weather resistance
- Security
- Aesthetic appeal
- Easy cleaning
- Ventilation

HINGED WINDOWS AND DOORS



SINGLE LEAF WINDOW

- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave



SINGLE LEAF WINDOW TOP HUNG

- Special stay-arm mechanism guarantees smooth and soft operation for several years
- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave



SINGLE LEAF WINDOW BOTTOM HUNG

- Special stay-arm mechanism guarantees smooth and soft operation for several years
- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave



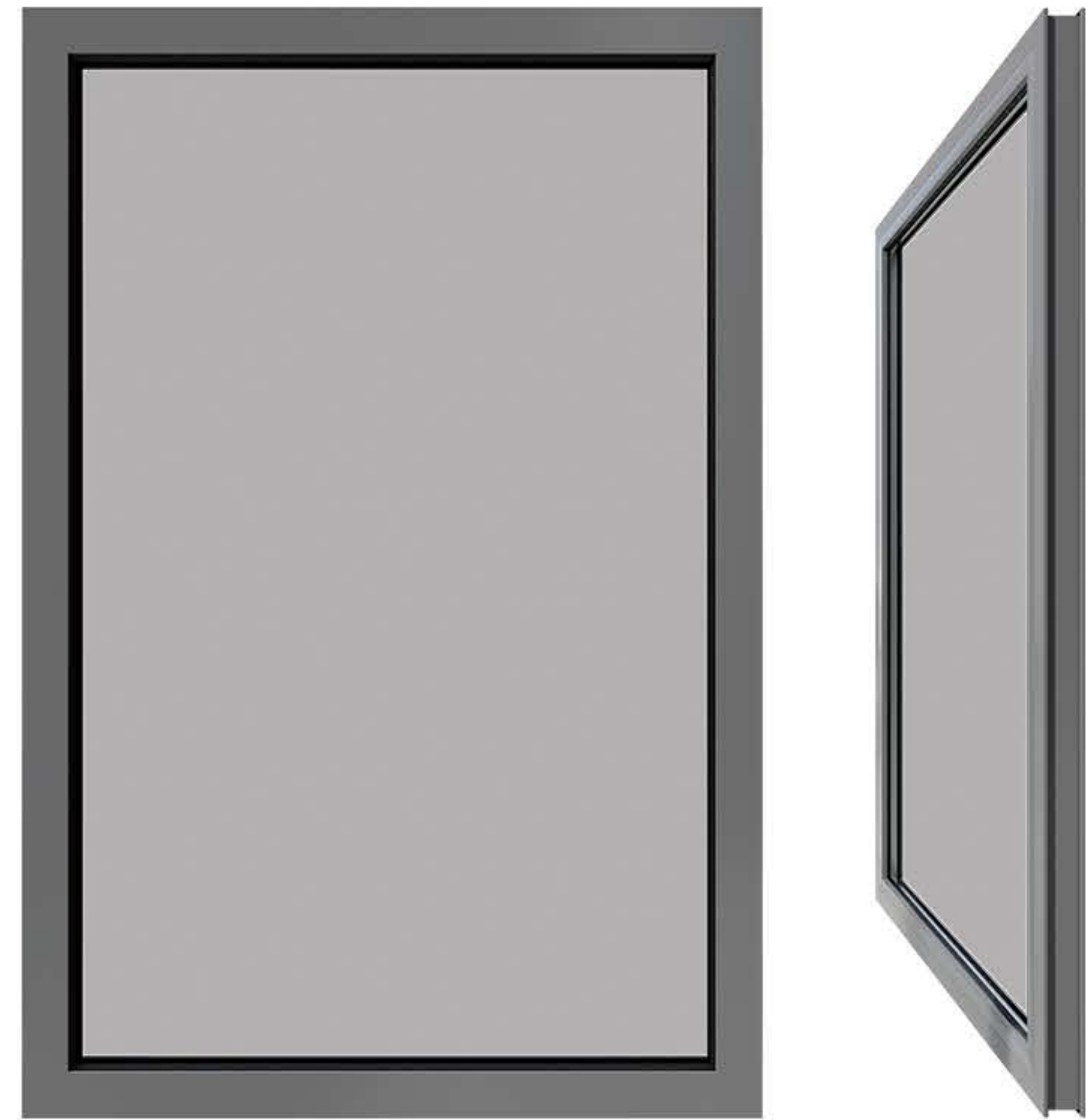
SINGLE LEAF WINDOW WITH FIX

- Inside or Outside openable options available.
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave



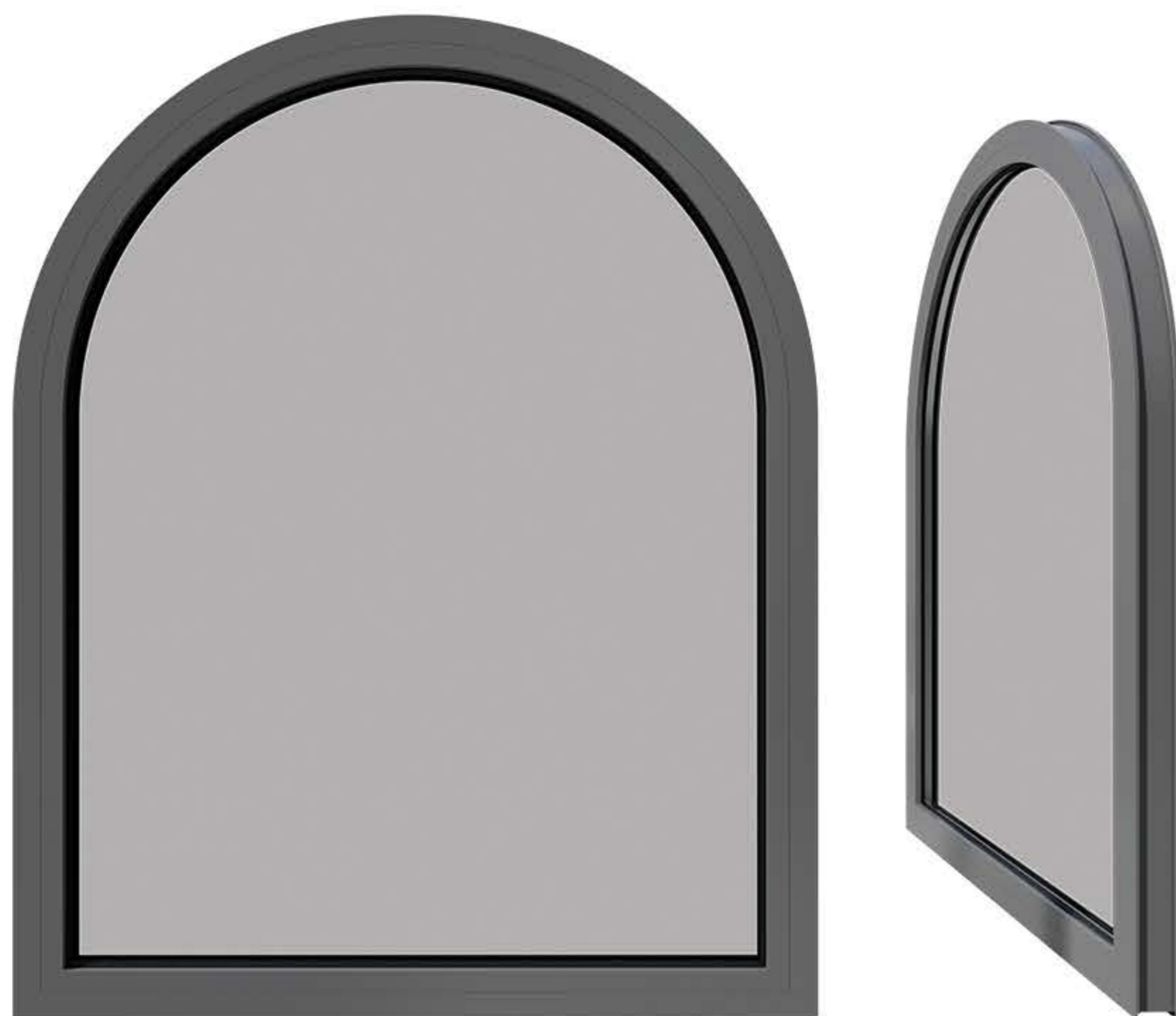
DOUBLE LEAF WINDOW

- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- Can be combined with fix window



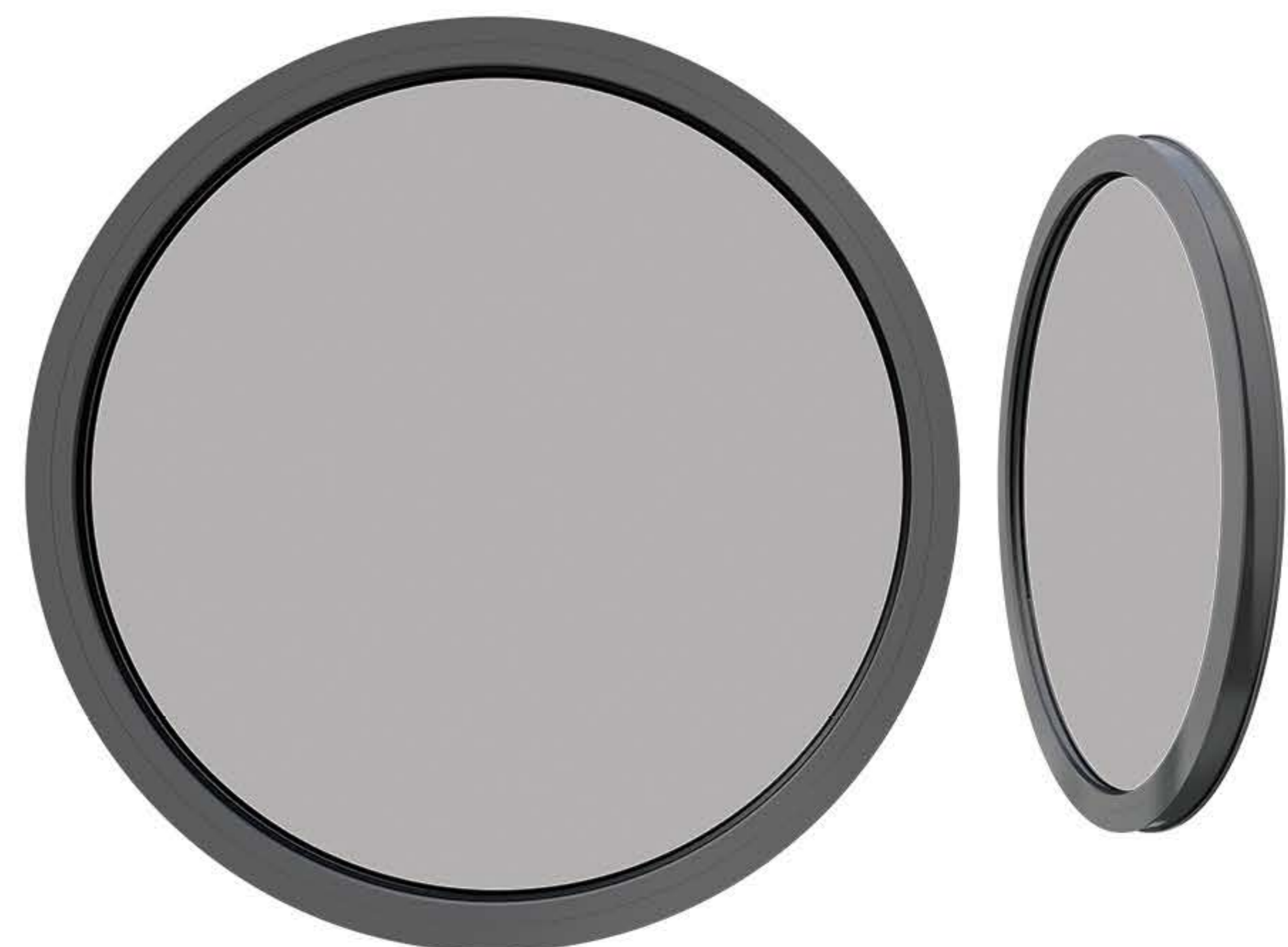
FIX WINDOWS

- Rectangular or square windows
- Single glass (6mm) or Double glass (24mm) option
- Wide or Slimline frames available
- Functional design



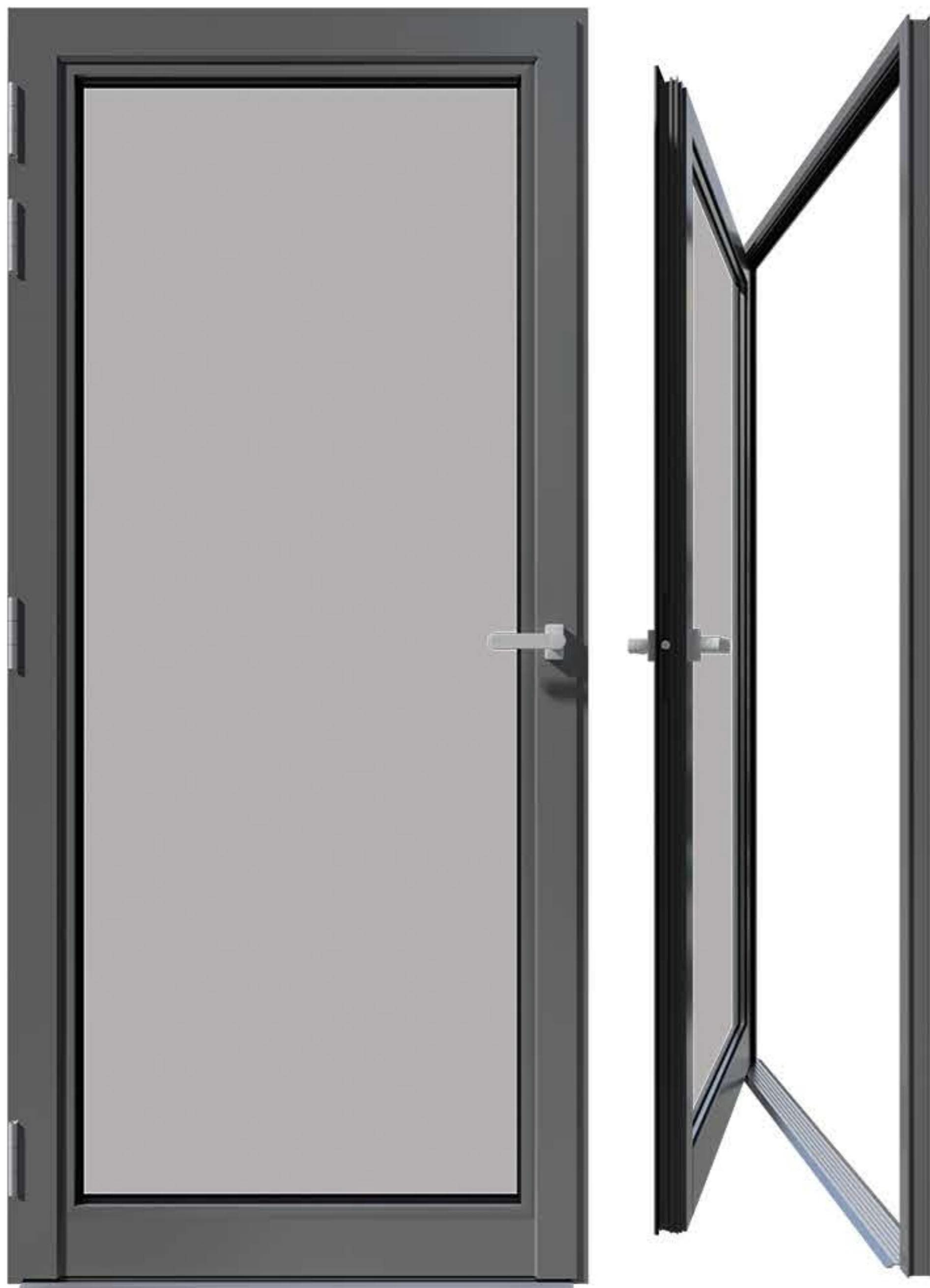
ARC FIX WINDOW

- Various sizes available
- Single glass (6mm) or Double glass (24mm) option
- Selective frame available due to its shape
- Retro design, aesthetic look



ROUND FIX WINDOW

- Modern design extremely pleasing
- Single glass (6mm) or Double glass (24mm) option
- Selective frame available due to its shape



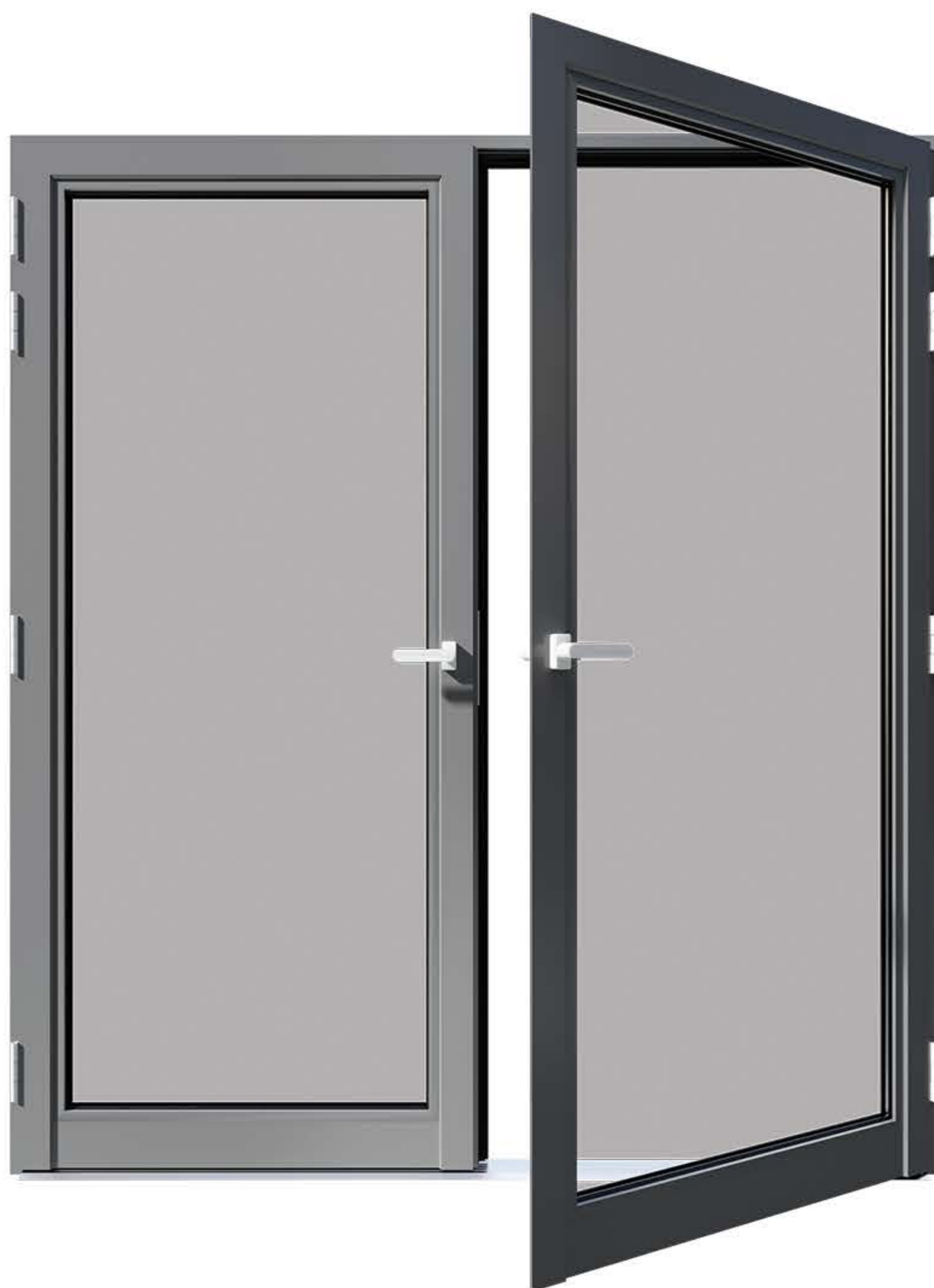
SINGLE LEAF DOOR



SINGLE LEAF DOOR WITH 'T'

- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave

- Inside or Outside openable options available
- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- Frame options 95mm, 100mm, 105mm, 120mm
- You can select frames with or without architrave
- Option of Glass, aluminum sheet, plywood inserts or a combination of both.



DOUBLE LEAF DOOR



DOUBLE LEAF DOOR WITH 'T'



SINGLE LEAF SWING DOOR

- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- 2 shutter options
- Several hardware options available
- Can be combined with fix glass on all sides



SINGLE LEAF SWING DOOR WITH 'T'


- Single glass (6mm) or Double glass (24mm) option
- System available in 42mm and 45mm thickness
- 2 shutter options
- Several hardware options available
- Option of Glass, aluminum sheet, plywood inserts or a combination of both.



DOUBLE LEAF SWING DOOR



DOUBLE LEAF SWING DOOR WITH 'T'

A large, dark-framed sliding glass door is shown in a partially open position. The glass is decorated with a white, intricate topographic map pattern. Through the glass, a modern interior space is visible, featuring a grey carpet and a stack of blue chairs. The lighting is bright and even, highlighting the texture of the glass and the clean lines of the door frame.

Sliding doors are large, often glass panels that are set within a frame and mounted on a track. They are commonly used for access to outdoor areas like patios, balconies, decks, and gardens. Sliding doors can be made of various materials, including wood, aluminum, and vinyl. They provide a seamless transition between indoor and outdoor spaces and can offer great views and natural light.

Benefits of Sliding Windows and doors:

- Space efficiency
- Natural light
- Aesthetic appeal
- Easy operation
- Ventilation
- Indoor-outdoor flow

SLIDING WINDOWS AND DOORS

PROSPEC Sliding doors and windows are architectural element commonly found in buildings and homes. You can use single glass with 6mm-12mm size or a double glass at 24mm. The shutter components can be joint at 90 degrees and fix directly with screw rather than using an angle section. As for the frame, it can be joint in 45 degrees and using a corner angle to fix them. As shown below, you can incorporate the sliding window with fix top using an adapter and a middle section. Flyscreen for this sliding system is designed inside. You can also use the same sliding system for 3 tracks and 4 tracks.



SLIDING WINDOW WITH FIX TOP



SLIDING WINDOW



SLIDING DOOR



SLIDING DOOR WITH FIX TOP

Louver doors are typically constructed with a frame that holds the horizontal slats in place. The slats are spaced apart, allowing for air circulation and light to filter through. The slats can be fixed in an angle to control the amount of airflow and visibility. Our louver doors are available in various finishes and colors.

LOUVER DOORS

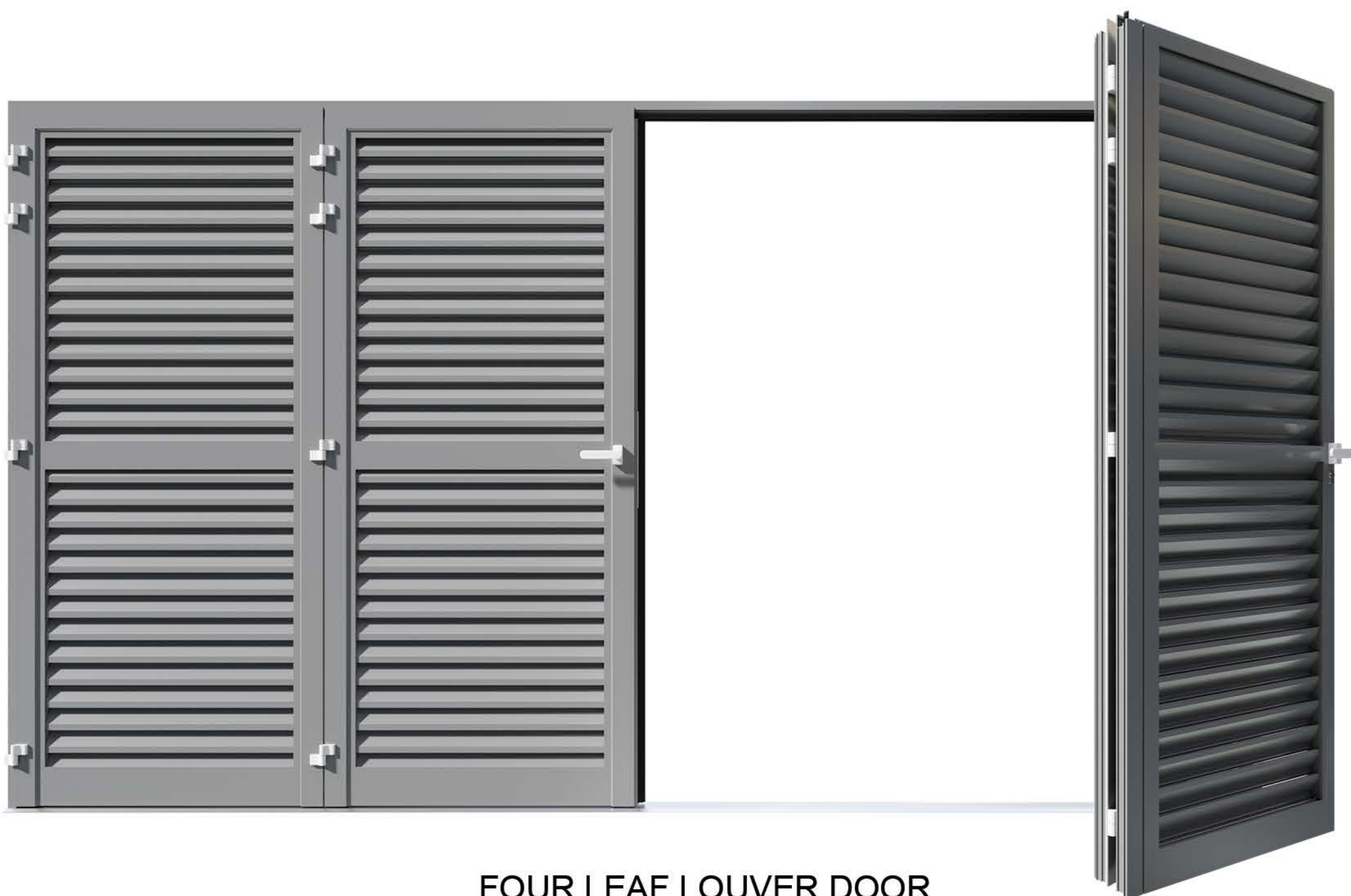
PROSPEC Louvered Doors are commonly used for utility rooms, such as, electrical or utility generator, transformer, sub-station, rooms of buildings or homes. They are popular choice for exterior and interior applications as you can see in most buildings. Our louver doors are heavy-duty and comply with most global municipal standards and building by-laws.



SINGLE LEAF LOUVER DOOR



DOUBLE LEAF LOUVER DOOR



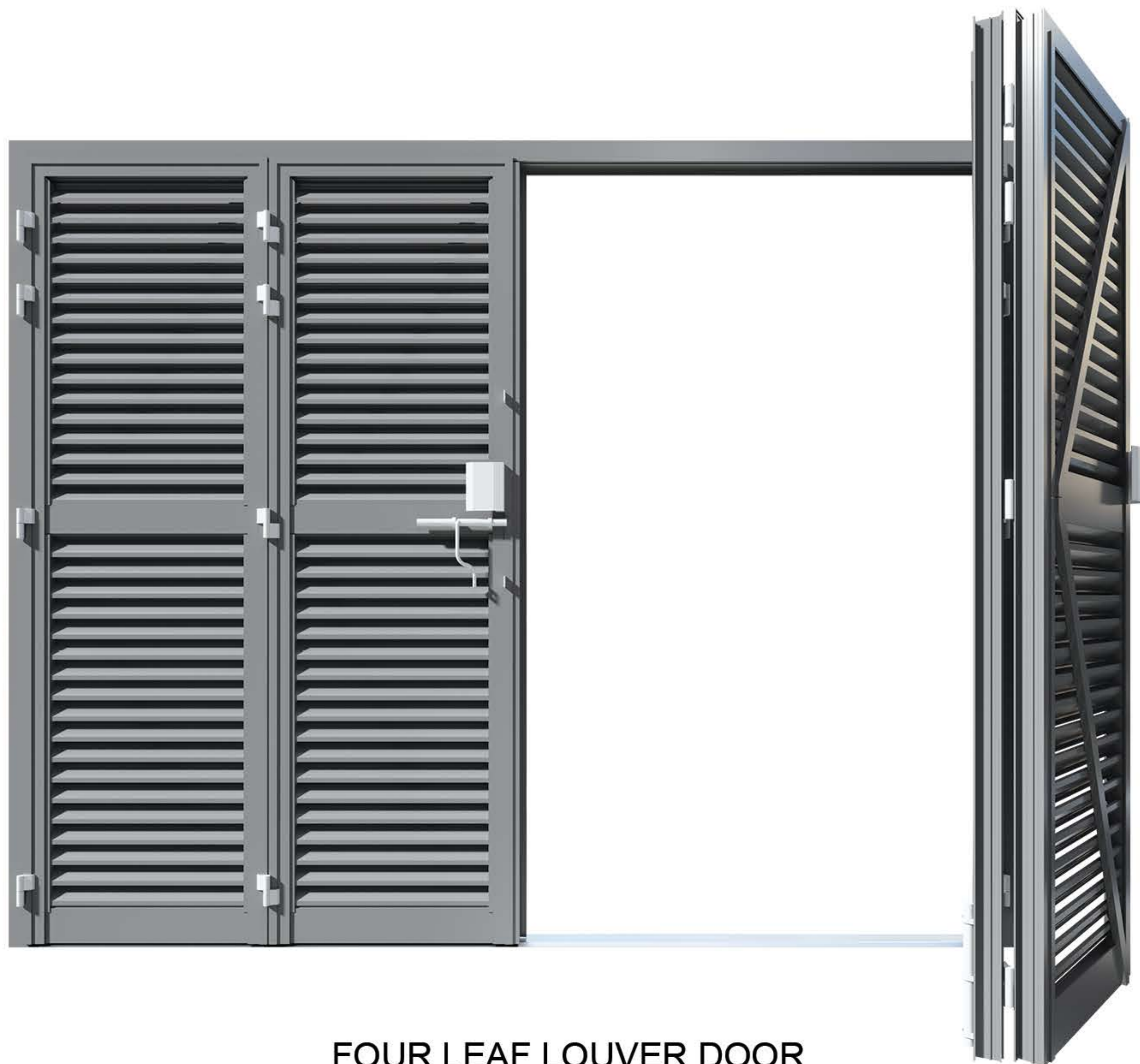
FOUR LEAF LOUVER DOOR



SINGLE LEAF LOUVER DOOR



DOUBLE LEAF LOUVER DOOR



FOUR LEAF LOUVER DOOR

Bi-folding aluminum doors consist of multiple panels that are hinged together in a way that allows them to fold and stack against each other when the door is opened. These doors are usually mounted on a track system at the top and bottom. When fully opened, the panels create a wide and open passage between the interior and exterior spaces.

Key features and benefits:

- Space efficiency
- Versatility
- Customization
- Aesthetic appeal
- Ventilation
- Natural light
- Indoor-outdoor flow
- Energy efficiency

BI-FOLDING DOORS

PROSPEC Bi-folding Doors are high quality door system used in high-end residential and commercial buildings. Designed to create large opening between indoor and outdoor spaces, allowing for unobstructed views, abundant natural light, and seamless transitions.

Available from 2 panels upto 6 panels depending on your design preference. The glass size that the system can accomodate is upto 52mm. With a thermal barrier, this folding system is energy efficient.



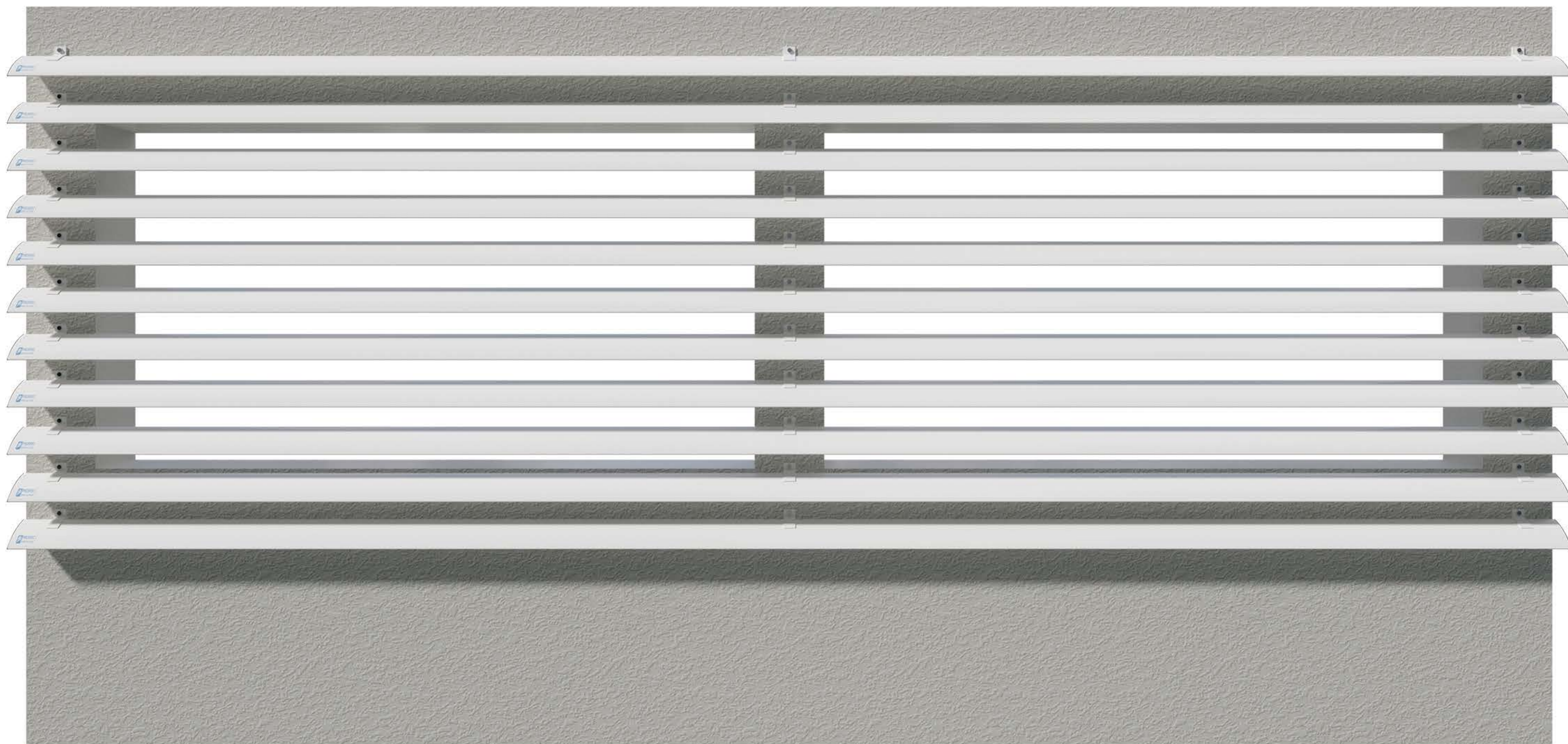
BI-FOLDING DOOR INWARD OPEN



BI-FOLDING DOOR OUTWARD OPEN

Louvers comes in various shapes and sizes and applications. Some of the most popular uses of louvers are protection of interiors and inhabitants of the buildings against elements such as water, storm, excess sunlight and fire. Prospec has the most popular range of louvers that protect the buildings against sunlight and water. We have fixed louvers, manually movable louvers and motorized louvers.

LOUVERS



FIXED LOUVERS

- available in 100mm, 150mm, 200mm, 250mm and 300 mm wide blades
- available in upto 7 meters long sections
- lightweight and construction grade aluminum
- durable and long lasting
- mount horizontally or vertically
- fixed pitch of 45 deg
- protection from sun and partial rain
- suitable for carpark, pergolas and more...

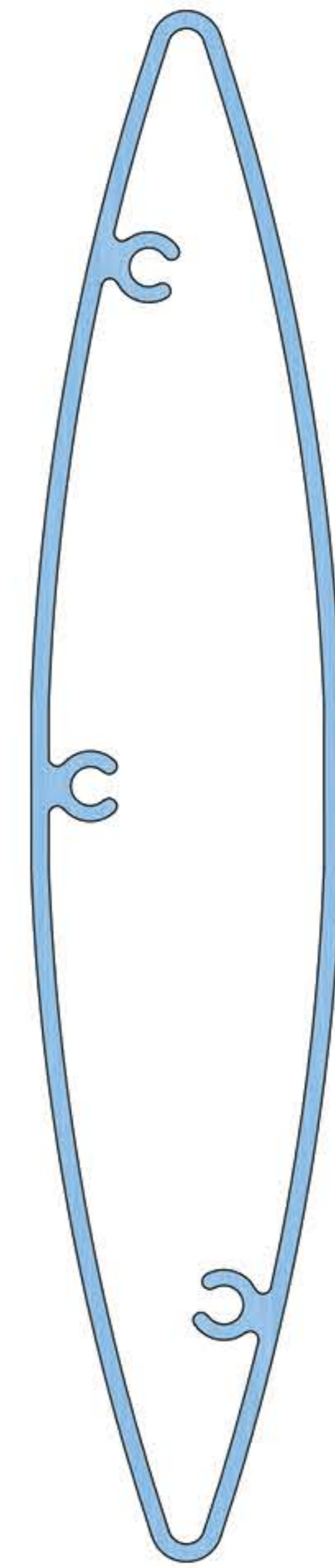
LOUVER WITH FRAME

- available in 100mm, 150mm, 200mm, 250mm and 300 mm wide blades
- lightweight and construction grade aluminum
- durable and long lasting
- mount horizontally or vertically
- blades are fixed
- you can select frames from Unequal angles or U channels
- protection from sun and partial rain
- suitable for carparks, pergolas and more...
- can combine 2 modules like below image



MOTORIZED LOUVER TYPE A

- available in 100mm, 150mm, 200mm, 250mm and 300 mm wide blades
- lightweight and construction grade aluminum
- mount horizontally or vertically
- protection from sun and partial rain
- suitable for carparks, pergolas and more...
- blades angle can be controlled up to -40 deg & +40 deg

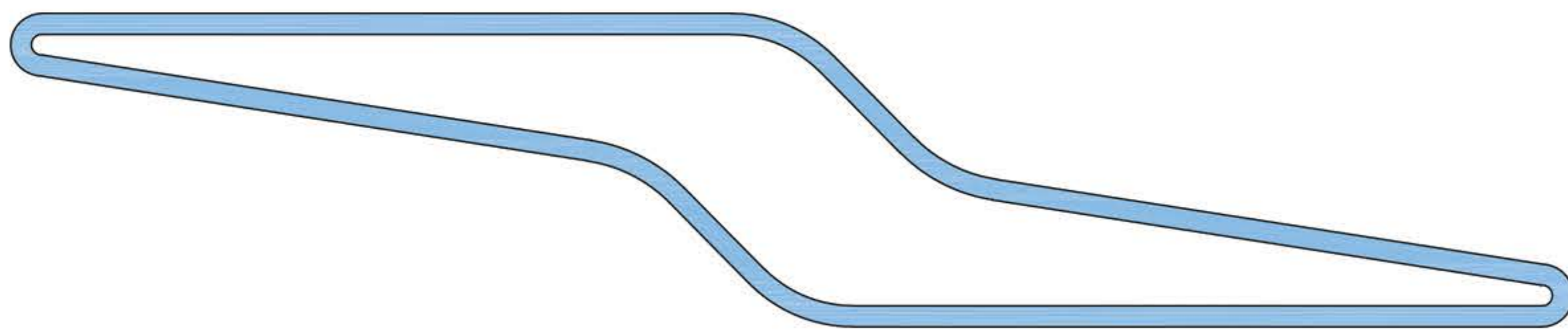


PROFILE SHAPE



MOTORIZED LOUVER TYPE B

- available in 150mm
- lightweight and construction grade aluminum
- mount horizontally or vertically
- protection from sun and partial rain
- Blades angle can be opened upto 50 degrees
- suitable for carpark, pergolas and more...



PROFILE SHAPE



CLOSE BLADES

OPEN BLADES



Alurail, are essential architectural and safety features for residential, commercial and public spaces. Alurail handrails serve several important purposes and are commonly used in various settings to enhance safety, accessibility, and support.

PROSPEC Alurail handrail contribute to the aesthetic appeal of spaces, enhancing the overall design and creating a sense of safety and architectural harmony.

Available in various styles, and configurations to suit different environments and aesthetics.

You can combine Alurail using aluminum balustrades and glass.

The word 'ALURAIL' in a bold, black, sans-serif font, positioned in the bottom right corner of the image.

ALURAIL



ALURAIL STAIRCASE FIRE EXIT

Made from construction grade aluminum, a lightweight and corrosion-resistant metal. Commonly used in fire-exits of condos, residential and commercial buildings and industrial settings for providing support and safety along stairways, ramps, balconies, decks, and other elevated areas. Alurail handrails are preferred for their durability, low maintenance requirements, and aesthetic appeal.

Advantages

1. Lightweight
2. Corrosion-resistant
3. Low maintenance
4. Aesthetically pleasing
5. Customizable
6. Cost effective



ALURAIL GLASS HANDRAIL

A modern and stylish combination often used in contemporary architecture for balustrades and railings. The design features glass panels held in place by an aluminum handrail, creating an open and visually appealing barrier.

Advantages

1. Modern Aesthetics
2. Unobstructed Views
3. Safety and durability
4. Low maintenance
5. Versatility

Balcony railings, are essential architectural and safety features used in residential, commercial and public buildings. Balcony railings serve very important safety purposes for residents, occupants and visitors.

PROSPEC balcony railings are available in various styles, and configurations to suit different environments and aesthetics.

BALCONY



SAFE-T BALCONY

PROSPEC SAFE-T balcony is popular choice for traditional modern buildings, both residential and commercial, due to their durability, lightweight nature, and retro design.

Advantages

1. Lightweight
2. Corrosion-resistant
3. Low maintenance
4. Durability
5. Aesthetically pleasing
6. Eco-friendly
7. Cost effective



SAFE-X BALCONY

PROSPEC SAFE-X balcony design incorporate glass panel as the main barrier with an aluminum support. You can use transparent or semi-transparent glass panels to create a modern and visually appealing balcony enclosure.

Advantages

1. Aesthetics
2. Safety
3. Low maintenance
4. Wind protection
5. Unobstructed views




ALFA BALCONY

PROSPEC ALFA balcony is full glass panels, providing an unobstructed view and maximum visibility of the surroundings. The aluminum railing is used as the top railing to provide stability, support, and added safety.

Advantages

1. Panoramic views
2. Natural light
3. Safety
4. Wind protection
5. Modern aesthetics
6. Increase property value

A wooden deck with a dark metal guardrail, set against a backdrop of tall pine trees and a bright sky. The guardrail consists of a top rail, a bottom rail, and vertical balustrades. The deck is made of light-colored wooden planks.

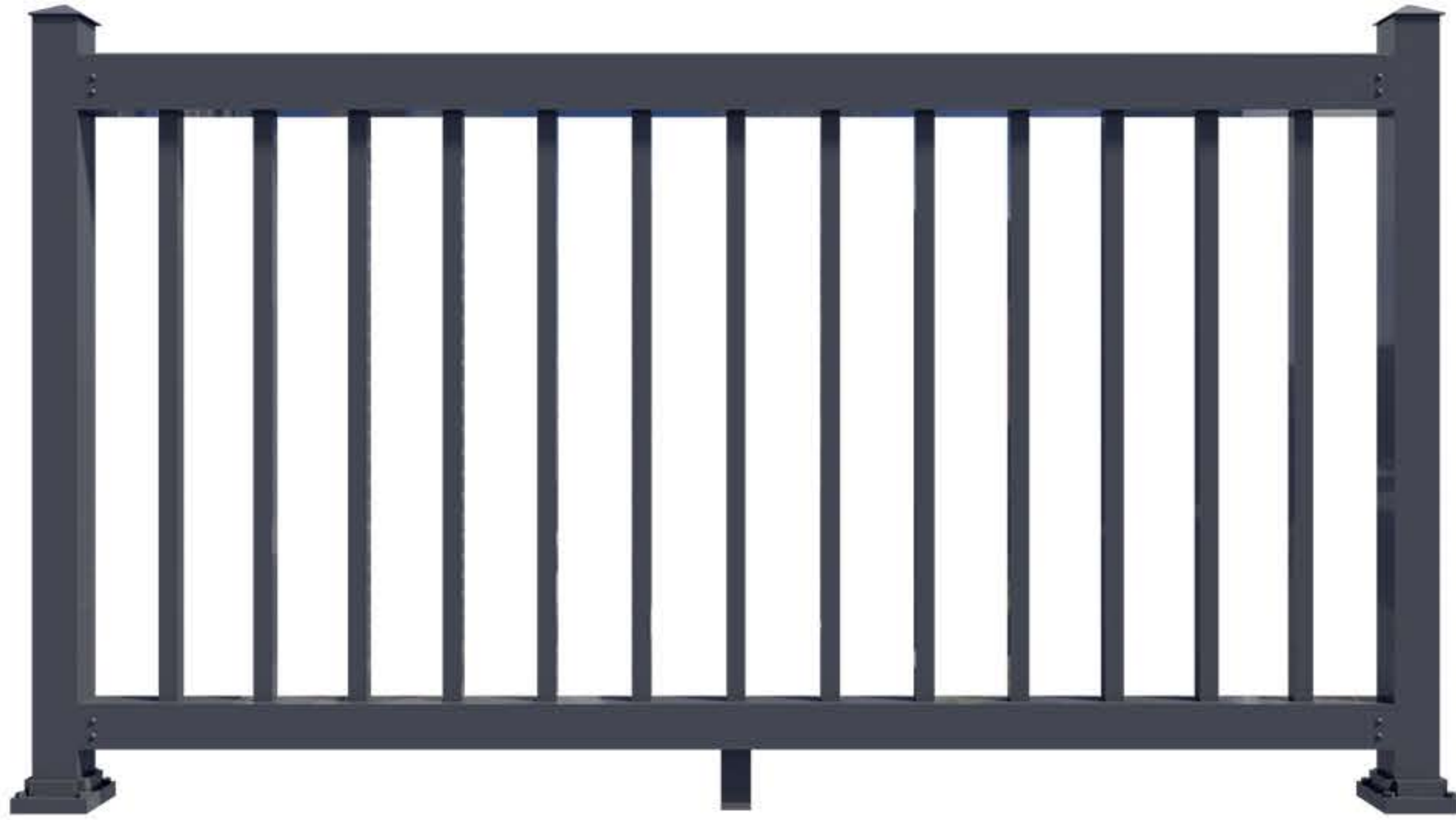
Guardrails, security fence are essential architectural and safety features used in most types of residential, commercial and public spaces. These structures play a vital role in promoting safety, stability and accessibility for residents and visitors.

Prospect guardrails are designed to contribute to the aesthetics of the buildings and enhance the overall design and creating a sense of architectural harmony.

Our guardrails are easy to install as they do not require lot of hardwares and anchors. Designed with safety and beauty in mind we combined different designs with the same installation process.

You can create your own design by using our guardrail balustrades, glass pannels, and top-bottom rails.

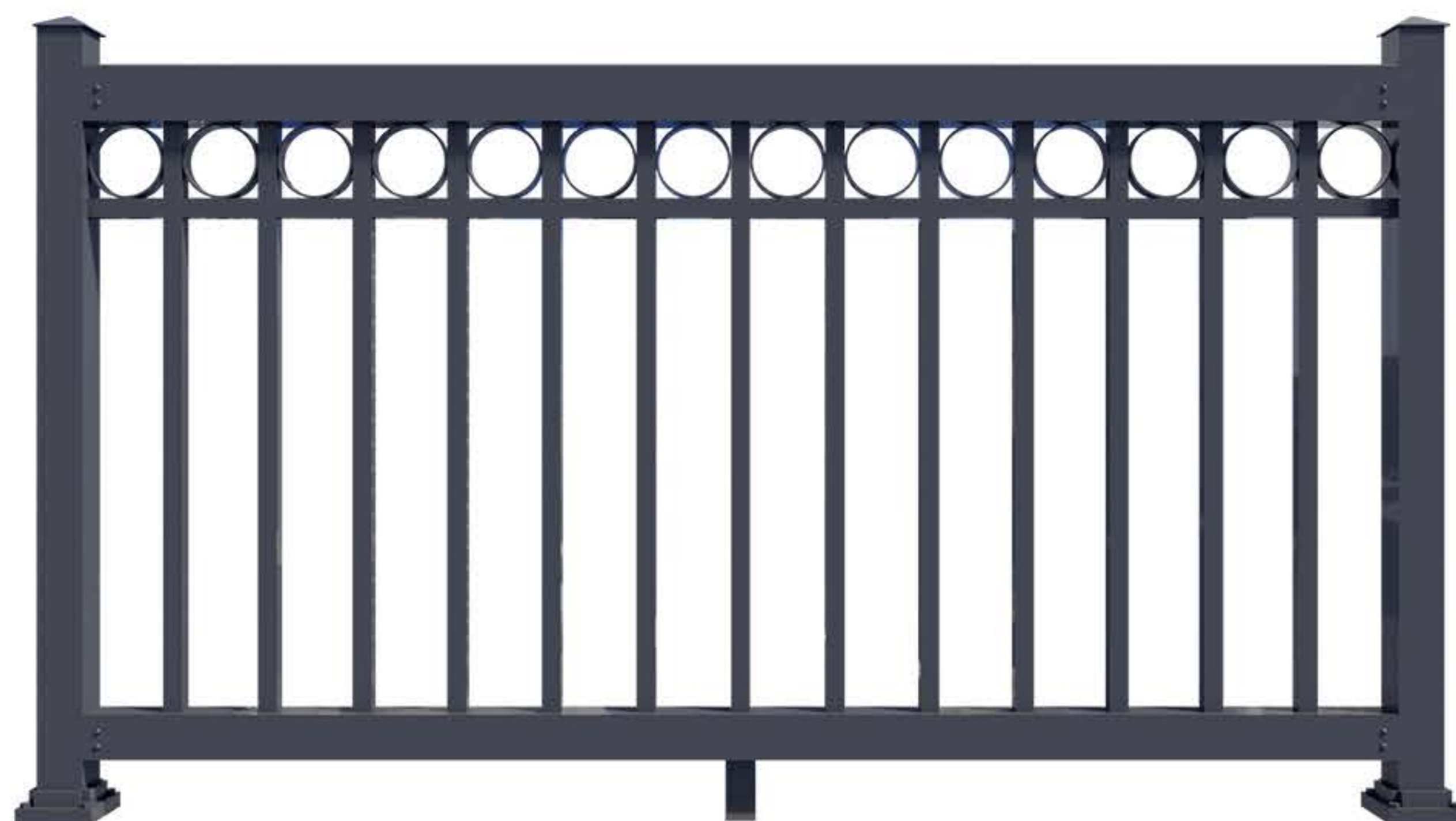
GUARDRAILS



CAPRI

Post size: 60x60x3 mm square box profile
 Railing size: 60x60 mm consist of 3 profiles
 Handrail add-on: 60x15 mm profile
 Ballustrades: 25x25 mm square box profile
 Spacers: 101 mm uniform size
 Others: cover cap, middle support

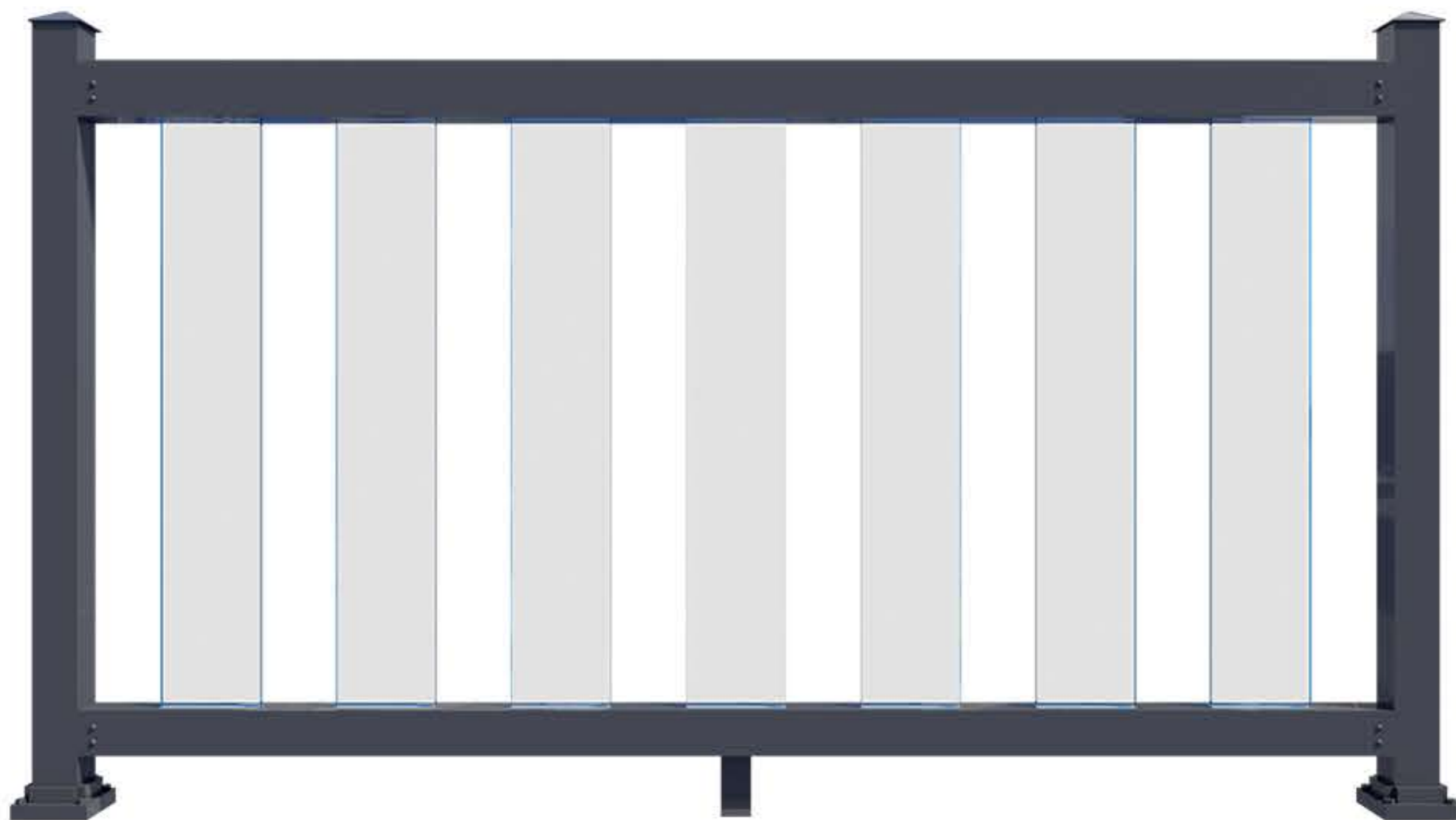
Railing height: 1000 mm
 Max railing width: 1799 mm from middle of post
 Applications: House deck, view deck, porch,
 community fencing and road dividers



GEMINI

Post size: 60x60x3 mm square box profile
 Railing size: 60x60 mm consist of 3 profiles
 Handrail add-on: 60x15 mm profile
 Ballustrades: 25x25 mm square box profile
 Spacers: 101 mm uniform size
 Others: Design, cover cap, middle support

Railing height: 1000 mm
 Max railing width: 1799 mm from middle of post
 Applications: House deck, view deck, porch,
 community fencing and road dividers



ARIS

Post size: 60x60x3 mm square box profile
 Railing size: 60x60 mm consist of 3 profiles
 Handrail add-on: 60x15 mm profile
 Glass Panel: 133x6 mm or 133x10 mm
 Spacers: 101 mm uniform size
 Others: cover cap, middle support

Railing height: 1000 mm
 Max railing width: 1799 mm from middle of post
 Applications: House deck, view deck, and more...



SEGI

Post size: 60x60x3 mm square box profile
 Railing size: 60x60 mm consist of 3 profiles
 Handrail add-on: 60x15 mm profile
 Glass Panel: 6mm or 10mm
 Spacers: 101 mm uniform size
 Others: cover cap, middle support

Railing height: 1000 mm
 Max railing width: 1799 mm from middle of post
 Applications: House deck, view deck, porch,
 pool rails



Security fence, are commonly used to define and secure the boundaries of a property or facility. They act as a physical barrier to prevent unauthorized access, trespassing, and intrusion.

PROSPEC Security fence are robust and easy to install as they do not require minimum visible anchorage. Designed with safety in mind and aesthetic feature combining different designs with the same installation process.

You can choose a design using aluminum balustrades and designed addons.

SECURITY FENCE



Safety fence can be used as side barrier of the road or within the median to restrict pedestrian from crossing, avoiding conflicts between motorized vehicles and pedestrians.

PROSPEC Safety fence will help guide the pedestrians to formal crossing path and help prevent pedestrian from crossing dangerous roads. This also prevent crowds from suddenly jumping out onto the road at exits of schools, buildings etc.

Design can be modified for more aesthetic and safety feature.

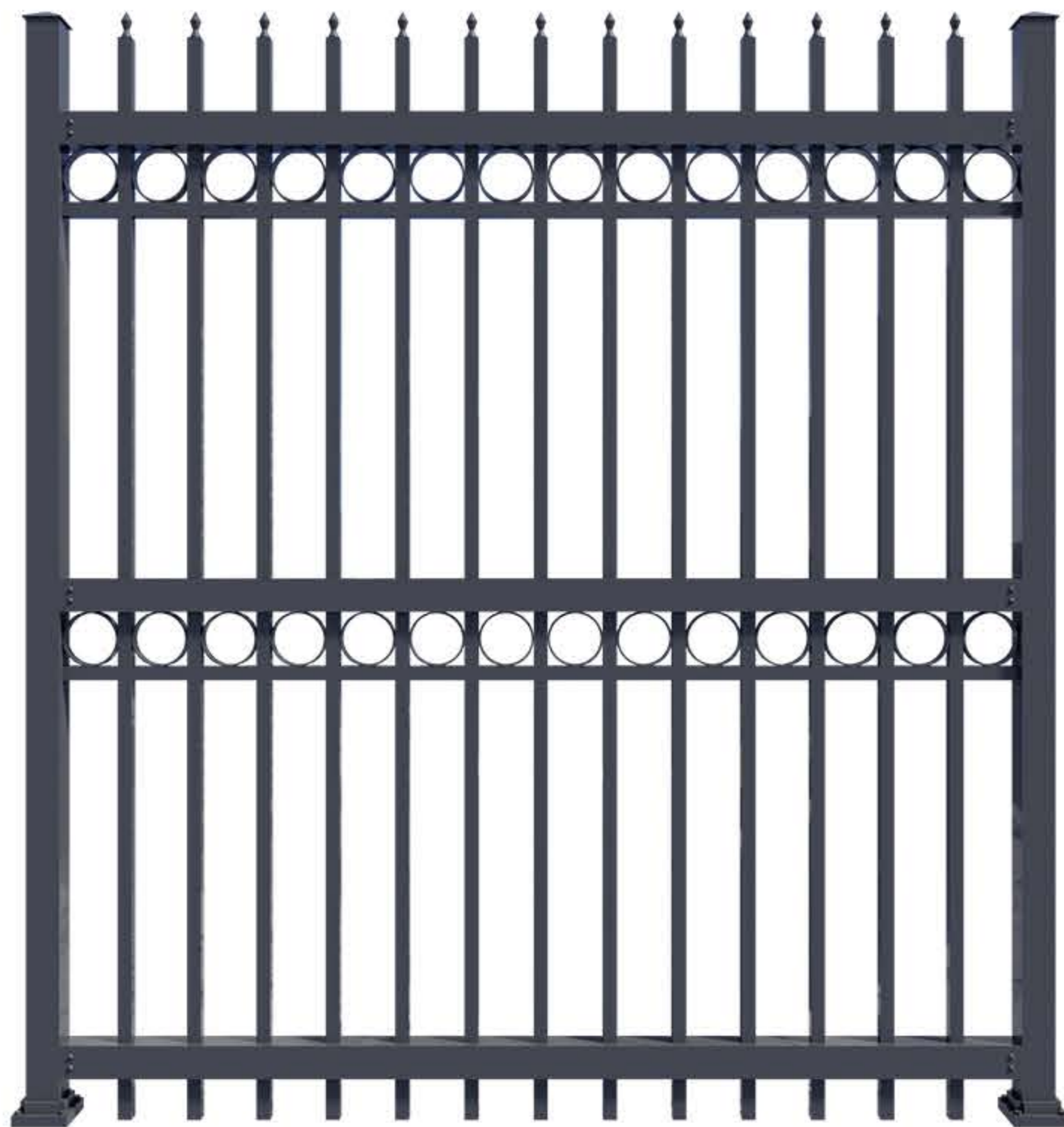
ROAD SAFETY FENCE



LEO

Post size: 60x60x3 mm square box profile or
80x80x3 mm square box profile
Railing size: 60x60 mm consist of 3 profiles
Balustrade: 25x25x3 mm square box profile
Spacers: 101 mm uniform size
Others: cover cap, spikes, round rod

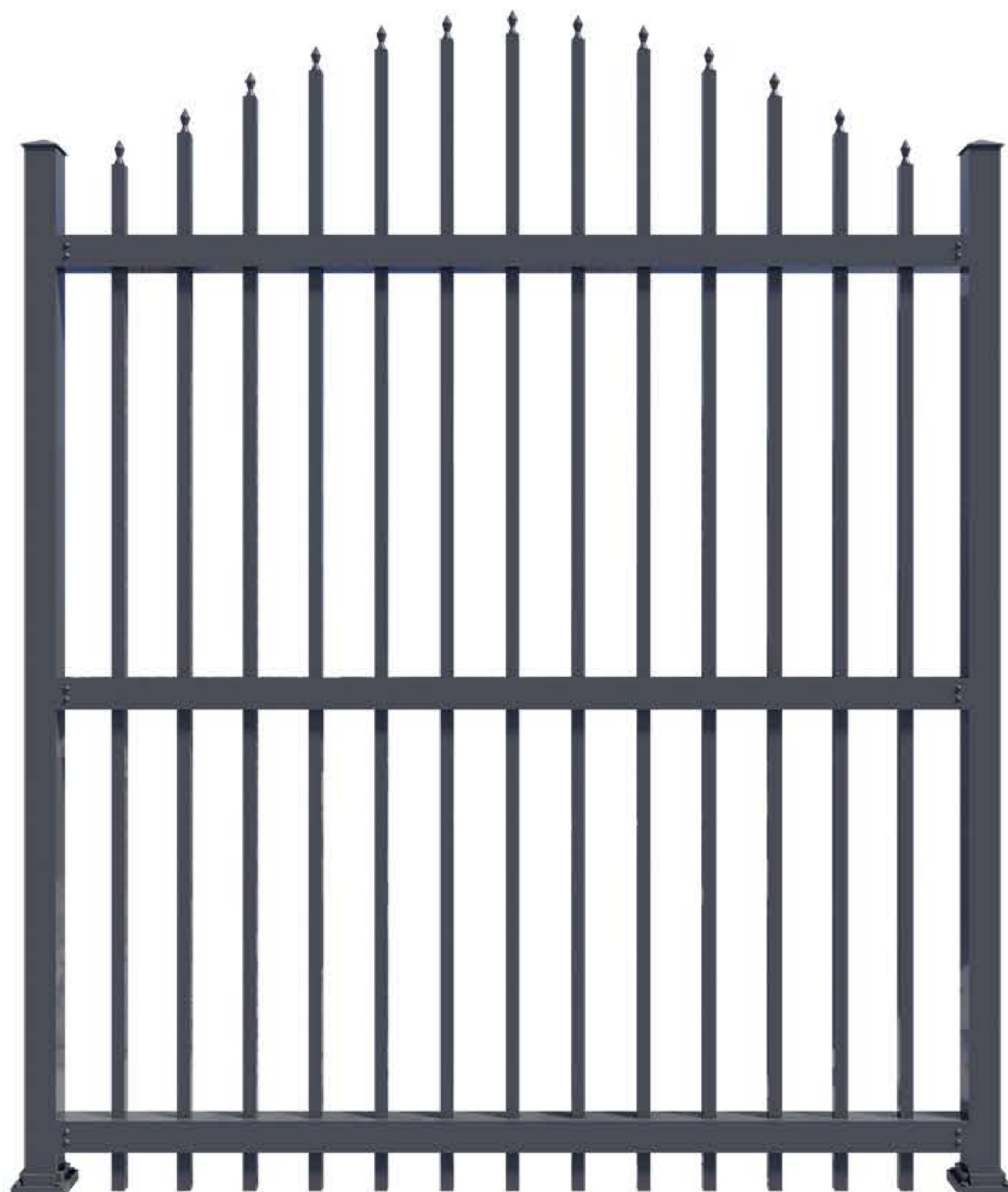
Post height: 1800 mm - 2000 mm
Max railing width: 1799 mm from middle of post
Applications: House fence, Park fence



TAURUS

Post size: 60x60x3 mm square box profile or
80x80x3 mm square box profile
Railing size: 60x60 mm consist of 3 profiles
Balustrade: 25x25x3 mm square box profile
Spacers: 101 mm uniform size
Others: cover cap, spikes, round rod

Post height: 1800 mm - 2000 mm
Max railing width: 1799 mm from middle of post
Applications: House fence, Park fence



LIBRA

Post size: 60x60x3 mm square box profile or
80x80x3 mm square box profile
Railing size: 60x60 mm consist of 3 profiles
Balustrade: 25x25x3 mm square box profile
Spacers: 101 mm uniform size
Others: cover cap, spikes, round rod

Post height: 1800 mm - 2000 mm
Max railing width: 1799 mm from middle of post
Applications: House fence, Park fence

Note:

1. You can also use the decorated fence spacer for this type.
2. You can redesign the curved ballustrades.
Example: Reverse V shape, U shape, stagard.

DESIGN - WITH - US

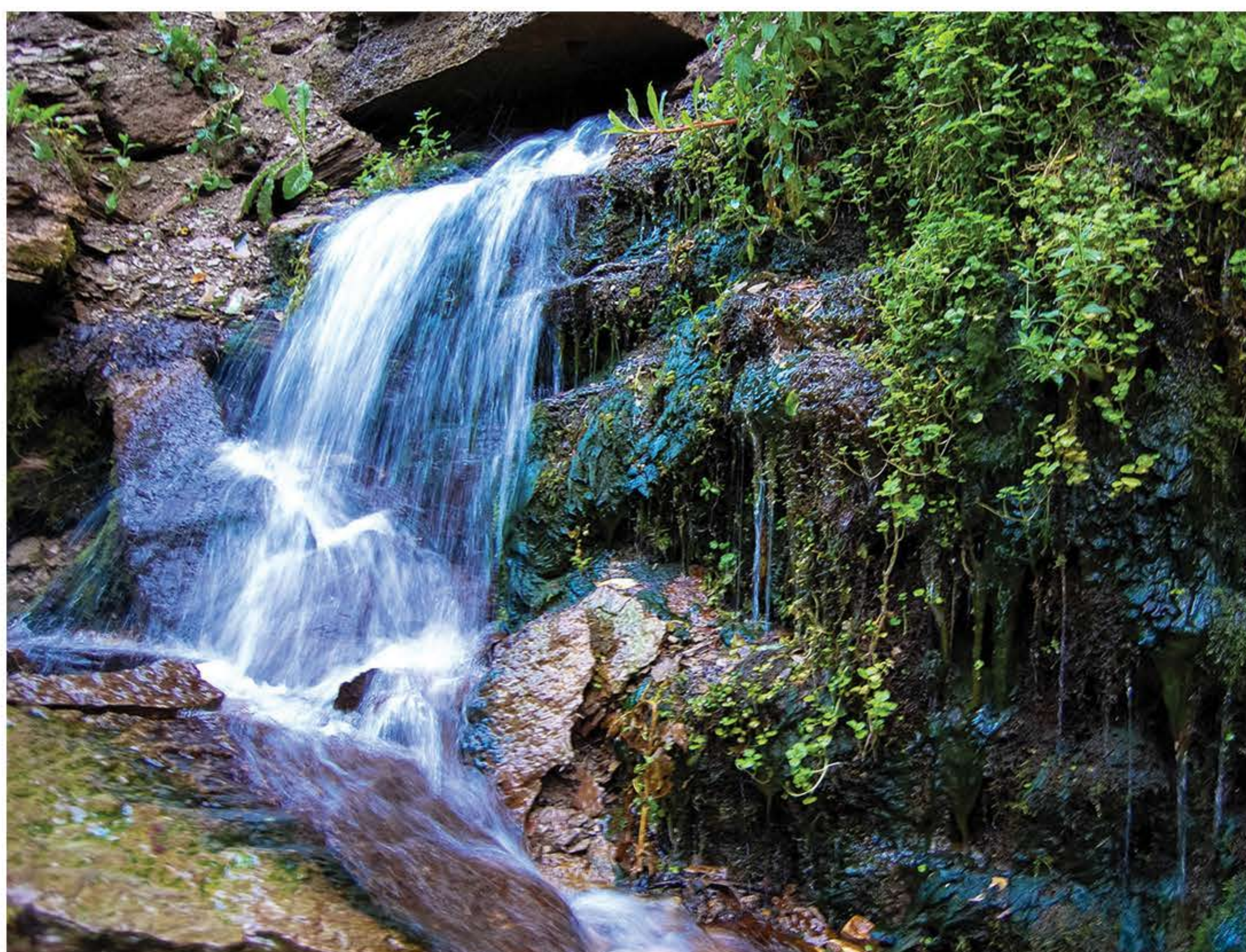
No project is casted in concrete and so you can always give us your design ideas and we will be happy to create a unique product just for your project. We have a team of multi-lingual designers and architects to interact with you so that the customer gets the best, call us, email us or simply leave a message on our website.

COLORS

PROSPEC offers a wide range of finishes, textures and colors. Choose from any RAL code of GOLD, Silver, Bronze, Platinum anodizing and finish it as gloss, semi-gloss or matte or maybe you just want the good old wood finish.

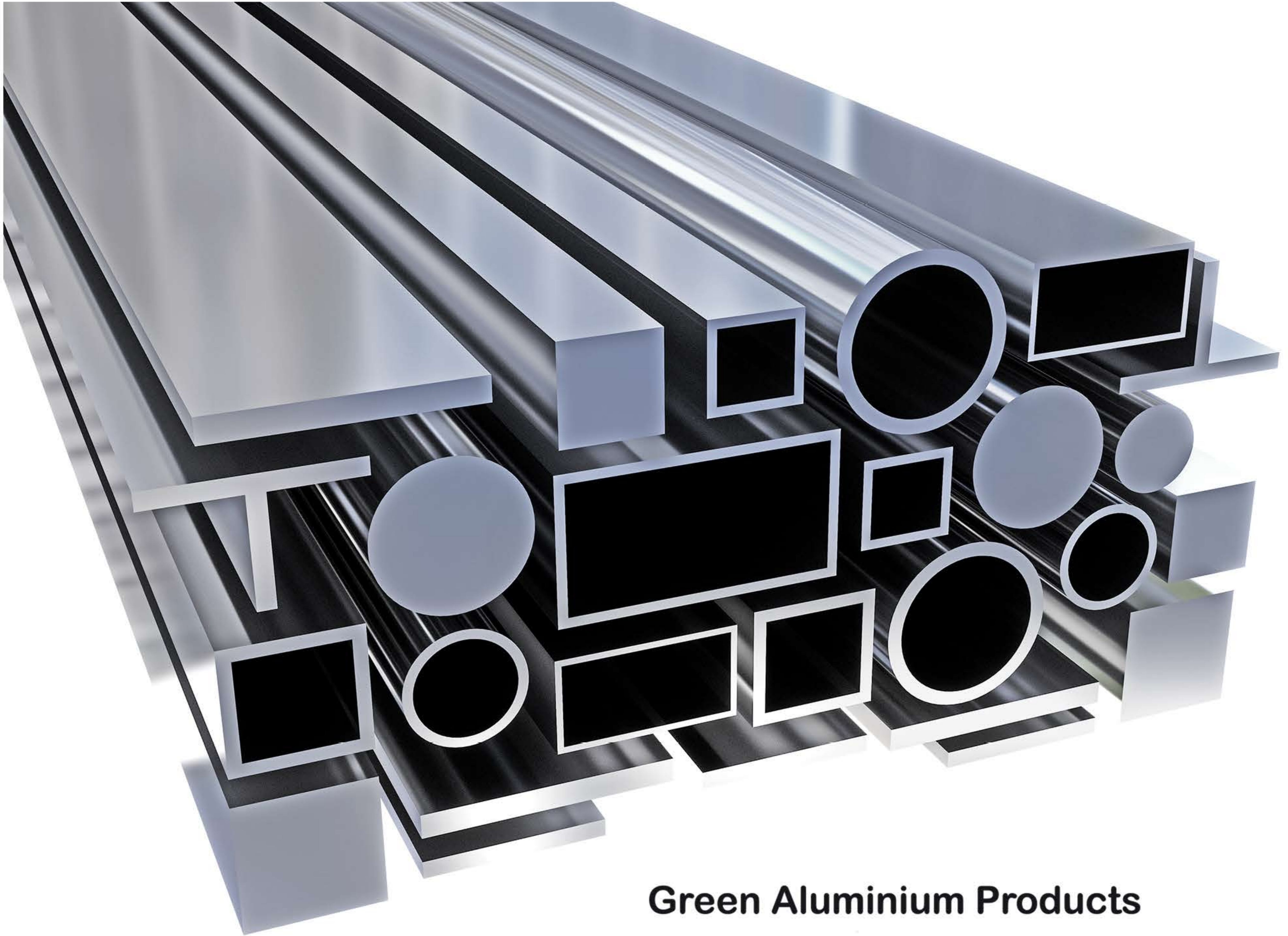
Powder coating solutions offer a high-quality, durable, and customizable finish for aluminum profiles, making them ideal for a wide range of industrial and architectural applications.

Anodizing is an electrochemical process that enhances the surface of aluminum by forming a durable, corrosion-resistant oxide layer. This oxide layer can be colored to create a variety of aesthetic finishes, as well as providing improved wear resistance and insulation



IMPACT

While aluminum has many useful properties, its production and use can have significant environmental impact. Our efforts to reduce these impacts include increasing the use of recycled aluminum, improving production processes to reduce energy use and waste generation, and promoting more sustainable practices throughout the supply chain.



Green Aluminium Products



PROSPEC SPECIALTIES INC., CANADA

We, at Prospec Specialties Inc., strive to provide products that has minimum carbon footprint, this is achieved by utilizing Green Aluminium in our products and decentralizing the production facilities globally. Now our products come from factories in North America, Europe, Middle East & Asia.



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