



ARCHITECTURAL EXTERIOR SOLUTIONS

ARCHITECTURAL SUN CONTROL | AEROFOIL | LOUVERS



www.pinnaclesolutions.in





About Us

Pinnacle Solutions operates through 3 offices from Mumbai and has key manufacturing location at Mumbai with PAN India presence of our representatives to extend support to you with our varied range of specialized Architectural Solutions.

Architectural Exterior Solutions : Sun controls, Airfoil, **Grilles & Louvers** -

With our Sun controls, Aerofoils and Louvers, we provide you flexibility to execute your designs with intricate patterns, sleek textures, vivid colours and even LED lightings as needed - all while promoting lower energy costs and reduced glare and allowing filtered light to enter interiors and occupants to see out. You have various design options to choose from variety of blades, outriggers, fascias or mounting options. Orient them horizontally or vertically, with a tinge of aesthetics by choosing the RAL code for colours, eventually attain to manage your daylight by your own designs as you want it!

Entrance Mats -

The right solution for every entrance. We have been innovating entrance flooring continuously to provide a versatile portfolio of beautiful options to protect your entrance which include mat systems, speciality flooring, anti-fatigue flooring and architectural accents. Explore our solutions with our representative to check on right fit for your project and eventually reduce maintenance cost while keeping your building occupants safe.

Expansion Joints Systems -

Thermal and seismic expansion joint cover systems for floors, walls and ceilings, exterior facades and car parks. Pinnacle also has a Brand of Glass Partition system "Sonic".

We have offered our solutions and are successfully installed over a spectrum of business sectors across the country.

At Pinnacle, we provide wide possibilities of applications for areas like Education, Retail, Airports & Train Stations, Commercial, Healthcare, Shopping Centers, Car Parks, Sports & Leisure, Housing and Hotels.

All product catalogues and details are available on our website.

Content

Suncontrols

Aerofoils

Louvers

Finishes and Colors

04

08

14

22

suncontrol
Architectural solution

suncontrol

Basics - consider its controlled!

While Pinnacle gives you the ability to construct a unique sun control system that meets the complex needs of your Project, our expert engineers will ensure that the finished product looks anything but a piecemeal. Sun Controls are custom designed to attach to any type of building and precision attachments are manufactured for all curtain wall or masonry projects.

Pinnacle offers a range of applications designed to meet your project's specific shading requirements. Design options include vertical and horizontal orientation, cantilevered or suspended support, lightshelves and skylight shutters.

Choose a blade style

- 1 Blades are the most important elements in effective sunshading. That's why we let you choose from a range of blade styles, or design your own. We'll work with you to specify the blade angle and rotation to optimize daylight based on building orientation and other conditions

Span distance with an outrigger

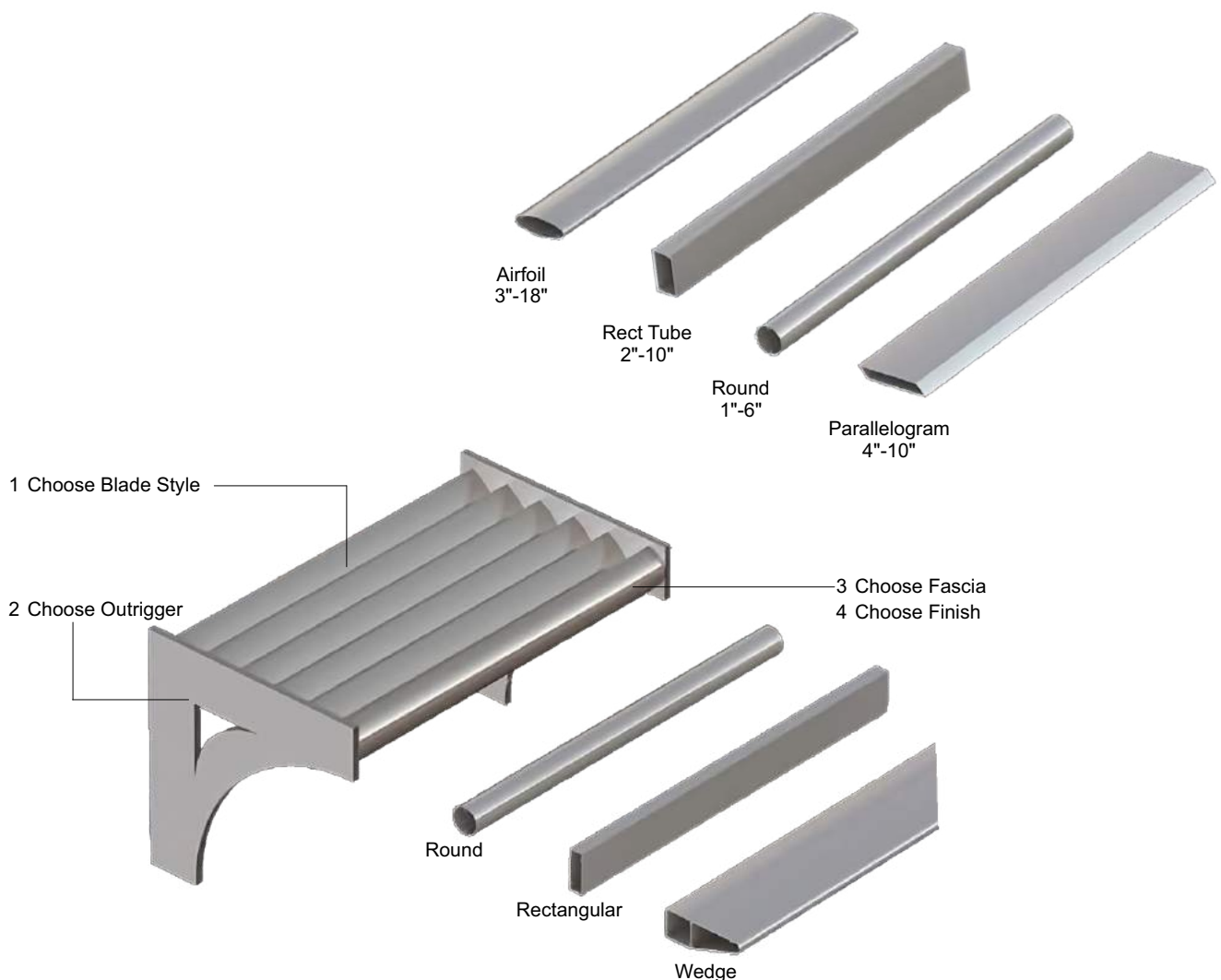
- 2 The outrigger is key to system's ability to project greater distances. Select a wedge, tapered, box or trellis outrigger to support the structure, and specify its height, thickness and projection to meet your building's functional requirements.

Cap it off with a fascia

- 3 Fascias are a bold aesthetic element that provide the finishing touch on your sun control system. Punctuate your design with a harmonizing fascia style, including round, rectangular, bullnose or wedge.

Finish it!

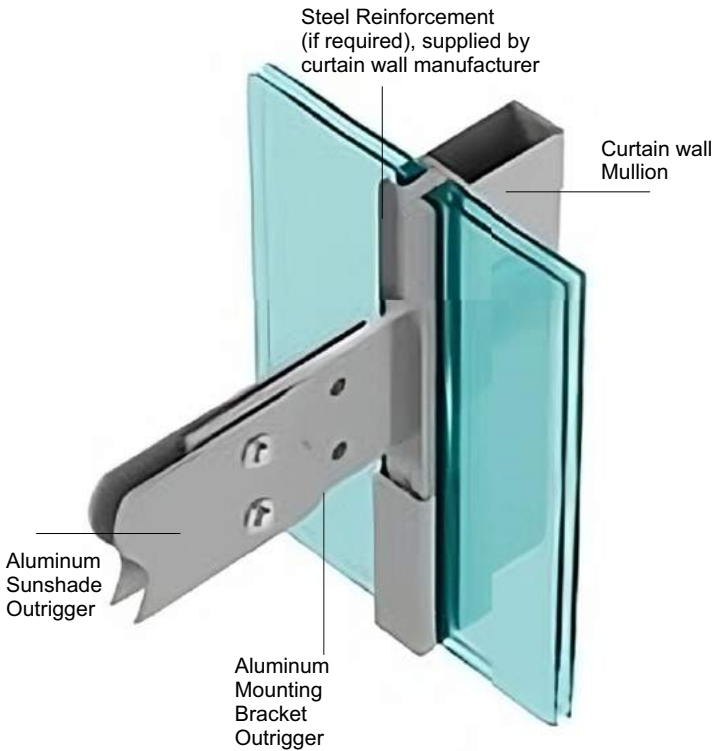
- 4 Choose from our wide range of finishes, from the wood grains to solid powder coated RAL codes as well as metallic coatings. Please always be in touch with our representative for correct guidance on the customization of the product, mounting and choice of finishes to achieve your design seamlessly.



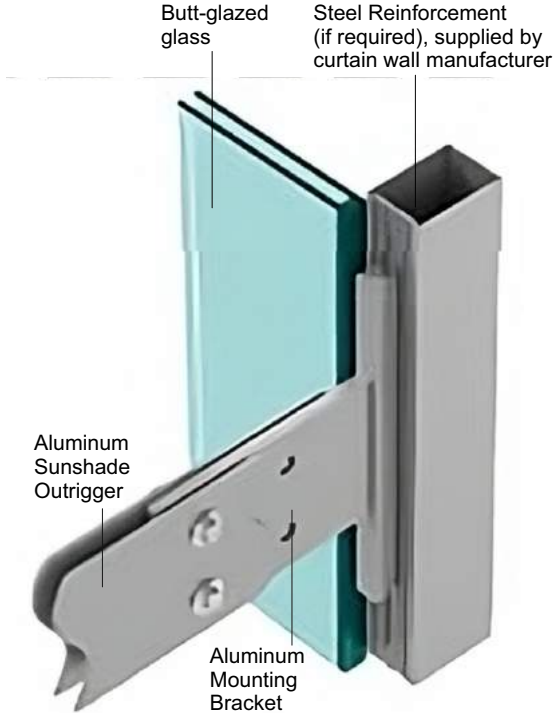
suncontrol

MOUNTING OPTIONS

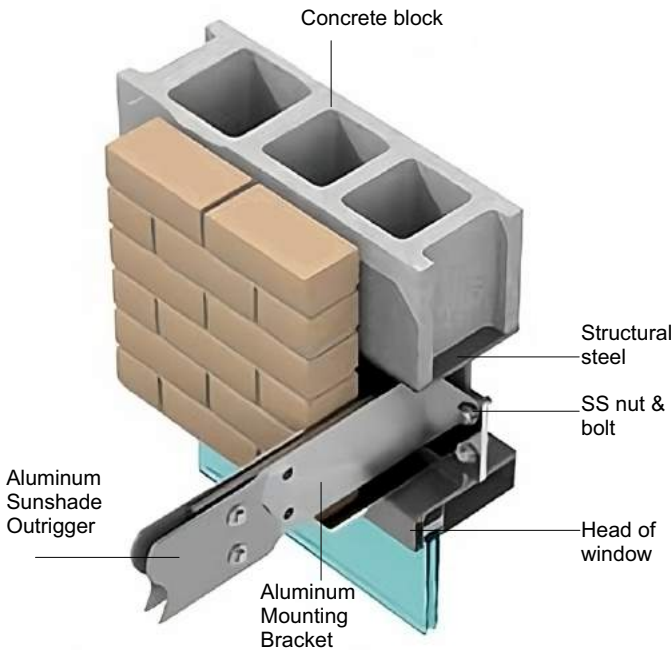
Pinnacle Sun Control systems can be mounted on all types of structures. Our engineers will work with you to provide the proper attachment or any masonry structure or curtain wall system. Mounting design specifications and hardware, including brackets, come standard with every system. Please connect with our representative for more details.



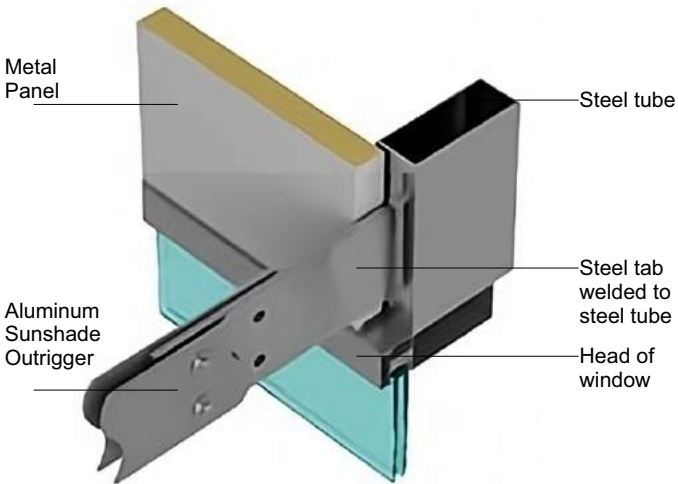
On Curtain Wall



On SSG Curtain Wall



Bolted to Steel behind Brick



Steel tab welded to Steel tube behind Metal Panel





aerofoils

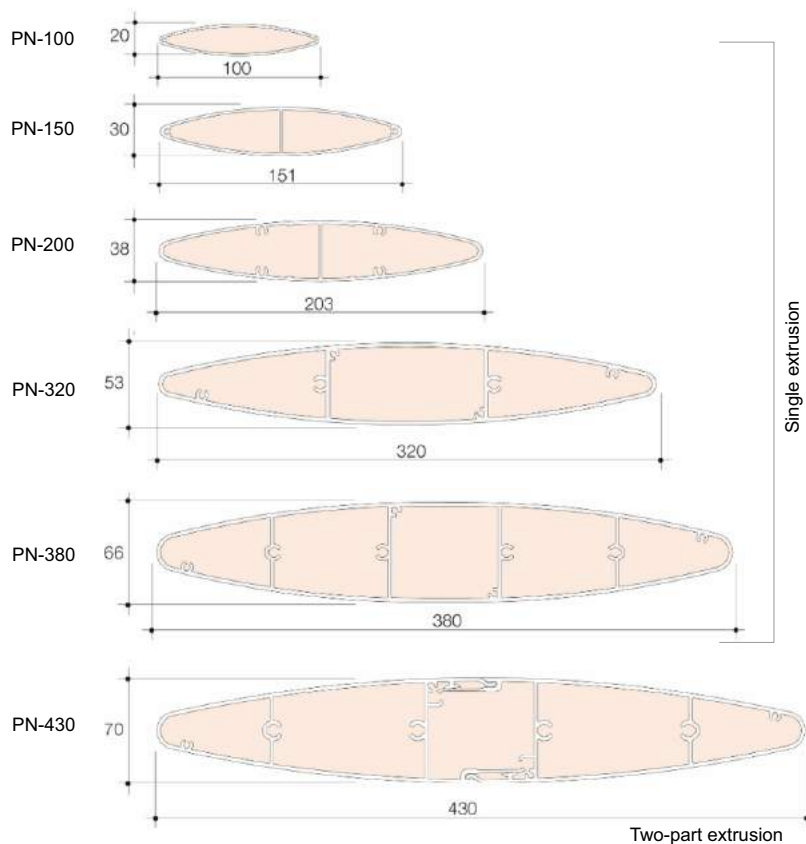
Solar Protection Systems

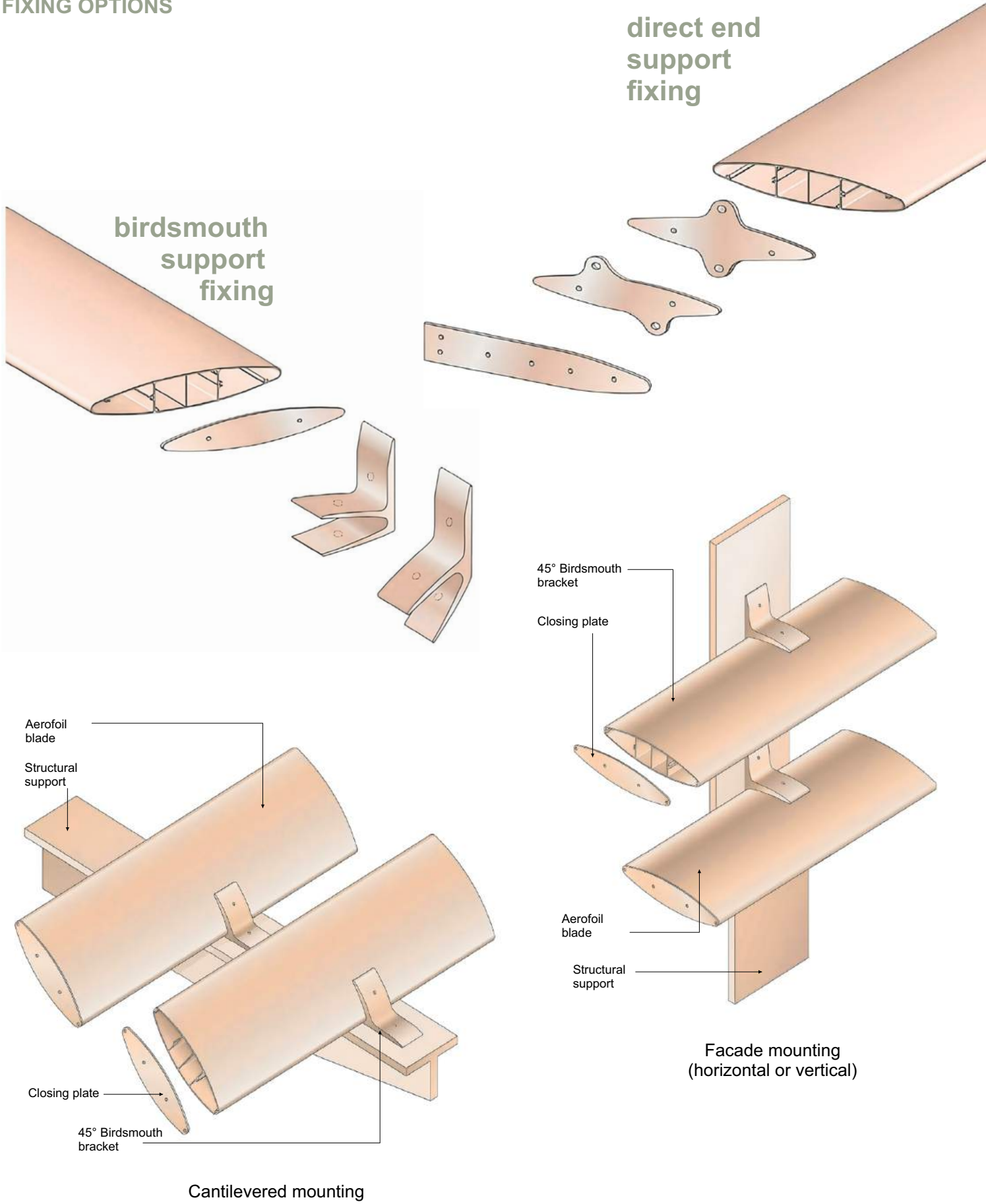
External sunshades are simply the most effective method of reducing heat and glare in a building's interior. Properly designed sun controls can reduce heat gain by upto 85% whilst increasing the interiors usable space by allowing occupants to sit adjacent to windows.

Aerofoil blades are both stylish and practical. The clean lines and sleek profiles of the Aerofoil blade achieve an appearance of quality and individuality, whilst providing an effective solution to the control of solar heat gain in buildings.

A number of options are available for securing Aerofoil blades to the supporting structure, which allows a variety of blade configurations to produce a bespoke design. Cantilevered sunshades are ideal for both new and existing construction. They provide effective shading while maintaining unobstructed views. Projection and blade size may be varied to suit the project requirement.

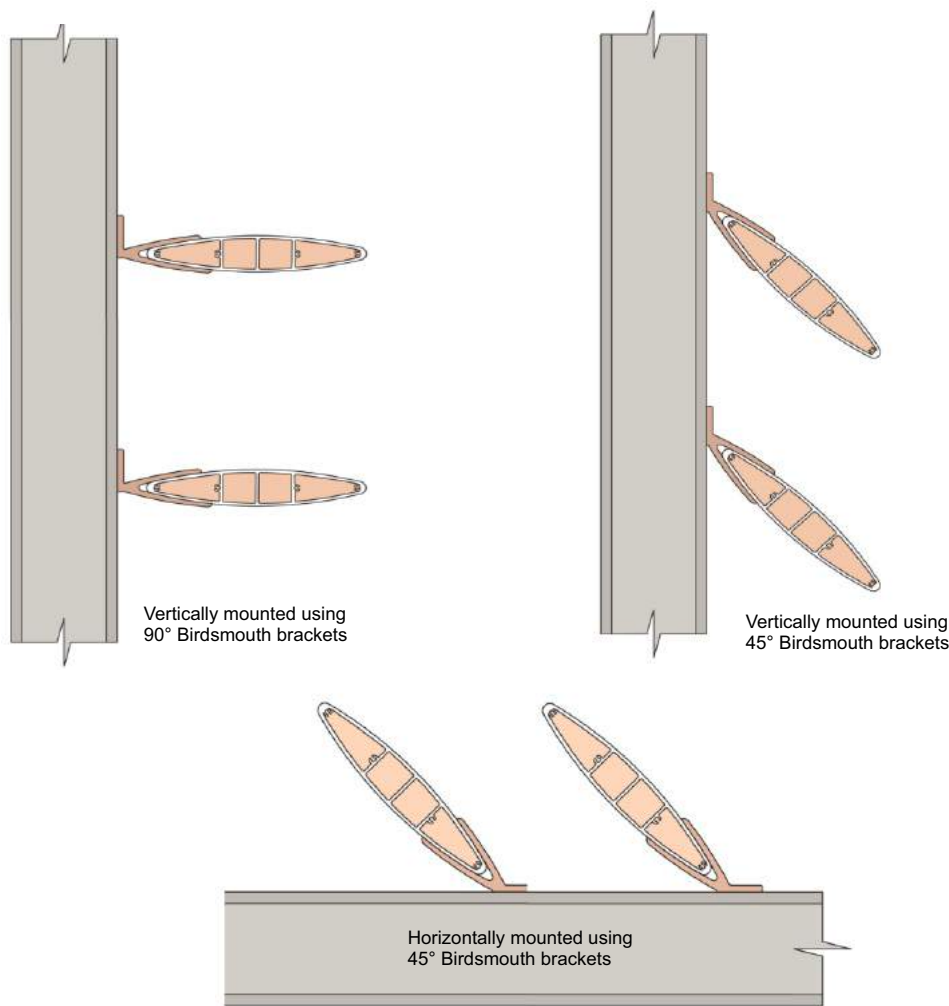
Facade mounted blades are a perfect alternative for applications where greater control is required over direct sunlight. The choice of blade orientation, either horizontal or vertical, is largely determined by a combination of form and function. The form being architectural preference, the function being the amount of light cut-off required and the building orientation.



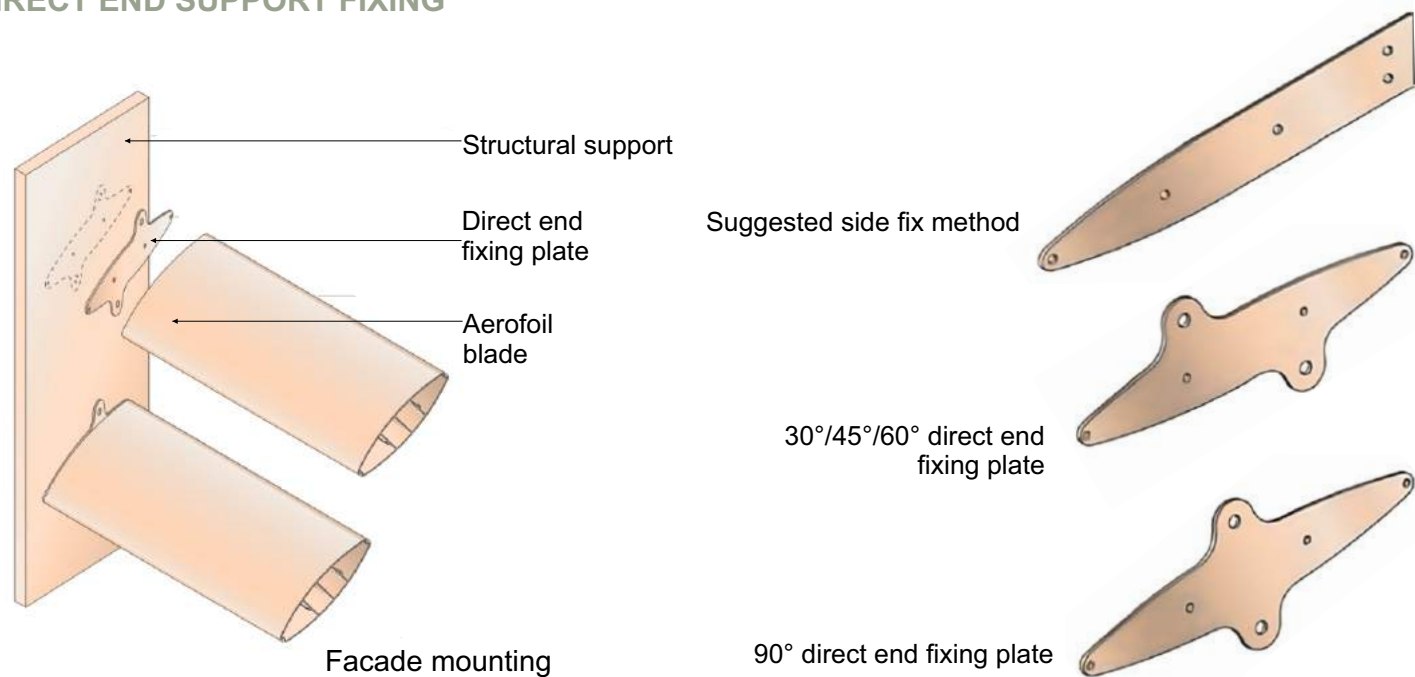


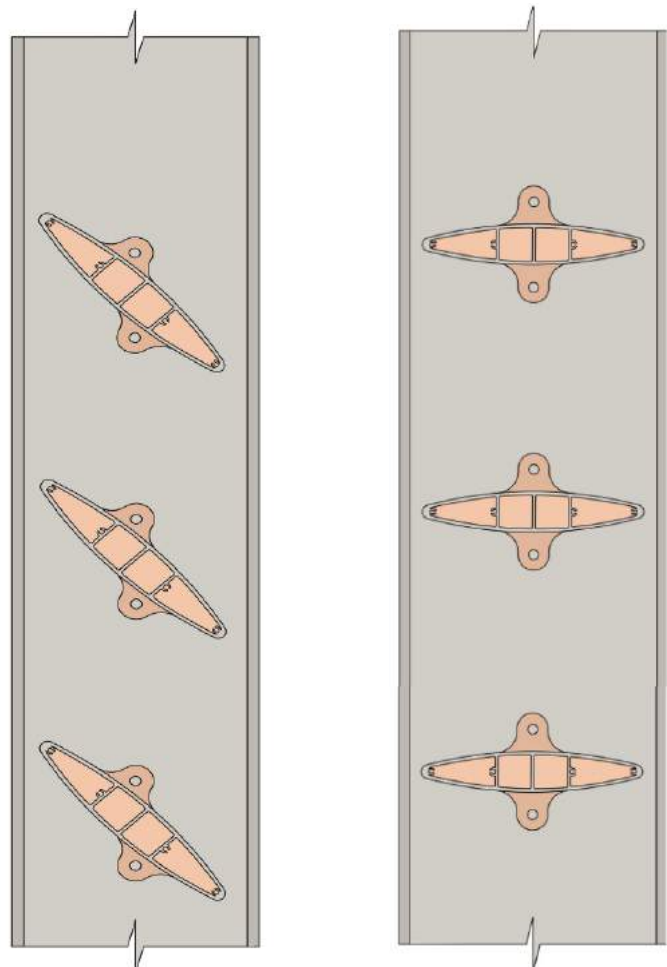
aerofoils

BIRDSMOUTH SUPPORT FIXING



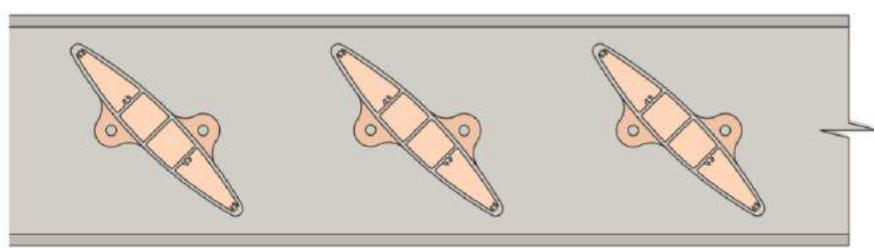
DIRECT END SUPPORT FIXING



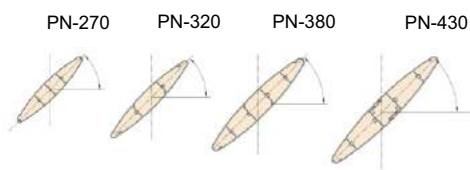


Vertically mounted at 45° with Direct end fixing plates

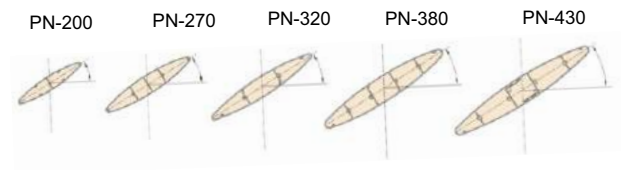
Vertically mounted at 90° with Direct end fixing plates



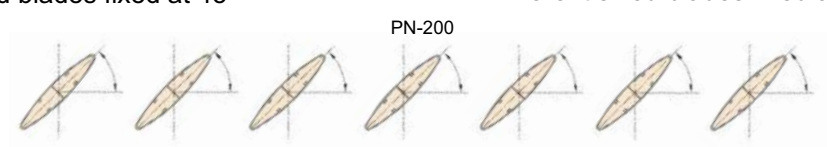
Horizontally mounted at 45° with Direct end fixing plates



Different sized blades fixed at 45°



Different sized blades fixed at 30°



Same sized blades fixed at 45°





louvers

Designed to perform with style!

Pinnacle Solution's Sun Louver system blend style and functionality, bringing a distinct look to a building's exterior while providing shade and comfort to the people inside. Our high-quality materials produce dependable louvre systems, which can be projected to the facade, parallel to the facade, or otherwise designed in relation to the angle of the sun.

The solution offer excellent design, functionality and comfort.
Performance - Optimal shading performance and easy to adapt to the specific project requirements.

Economic value - Highly durable products, designed for fast and efficient installation.

Green Characteristics - Our systems increases personal comfort level and decreases energy consumption.

Aesthetic product - Colours, shapes and details offer unparalleled design freedom.

Ease of use - All louver systems require very little maintenance and the adjustable system can be fully controlled by the building management system.

We craft all our products to your design and performance requirements. Whether based on existing designs or new product development, our modern testing facilities position us as an industry leader in developing products that outrival in their performance. In all categories, Pinnacle leads the way, attending to the ever changing code requirements.





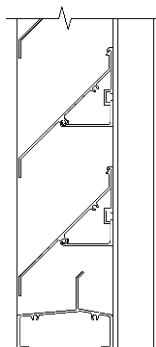
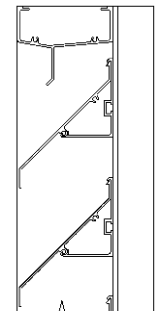


louvers

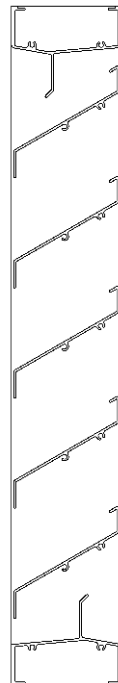
STATIONARY LOUVERS & DRAINABLE LOUVERS

Pinnacle Solution's stationary louvers are extruded aluminum louvers for applications that require intake and exhaust ventilation with moderate protection against water penetration. Stationary Louvers are available with visible or concealed vertical mullions and in 100mm and 150mm frame depths.

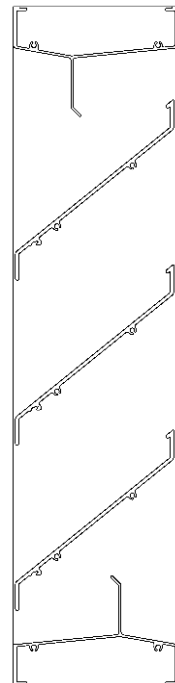
Extruded Aluminum Stationary Louvers - Non-Drainable



100mm
Louver type
PND 6100



100mm
Louver type
PND 6200



150mm
Louver type
PND 6300

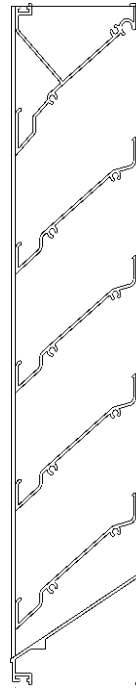


louvers

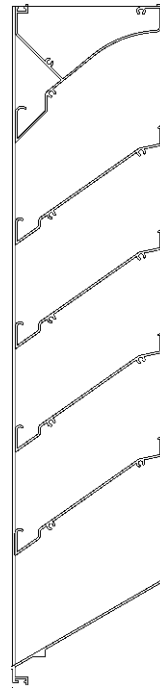
DRAINABLE LOUVERS

Pinnacle Solution's drainable louvers are designed to minimize water penetration through wall openings with drainable blades, or drainable head and blades. Drainable blades are available with visible or concealed vertical mullions in 100mm and 150mm frame depths.

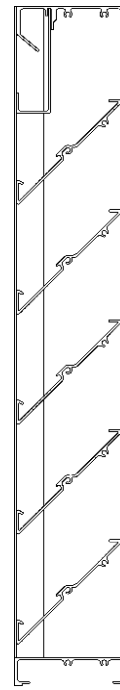
Extruded Aluminum Drainable Louvers - *Drainable Head Frame, Drainable Blades*



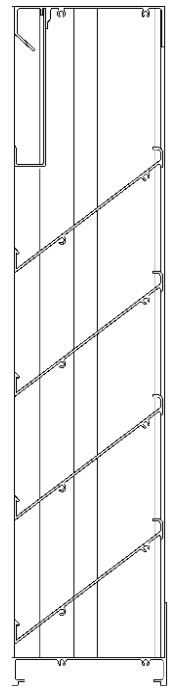
100mm
Louver type
PD 7100



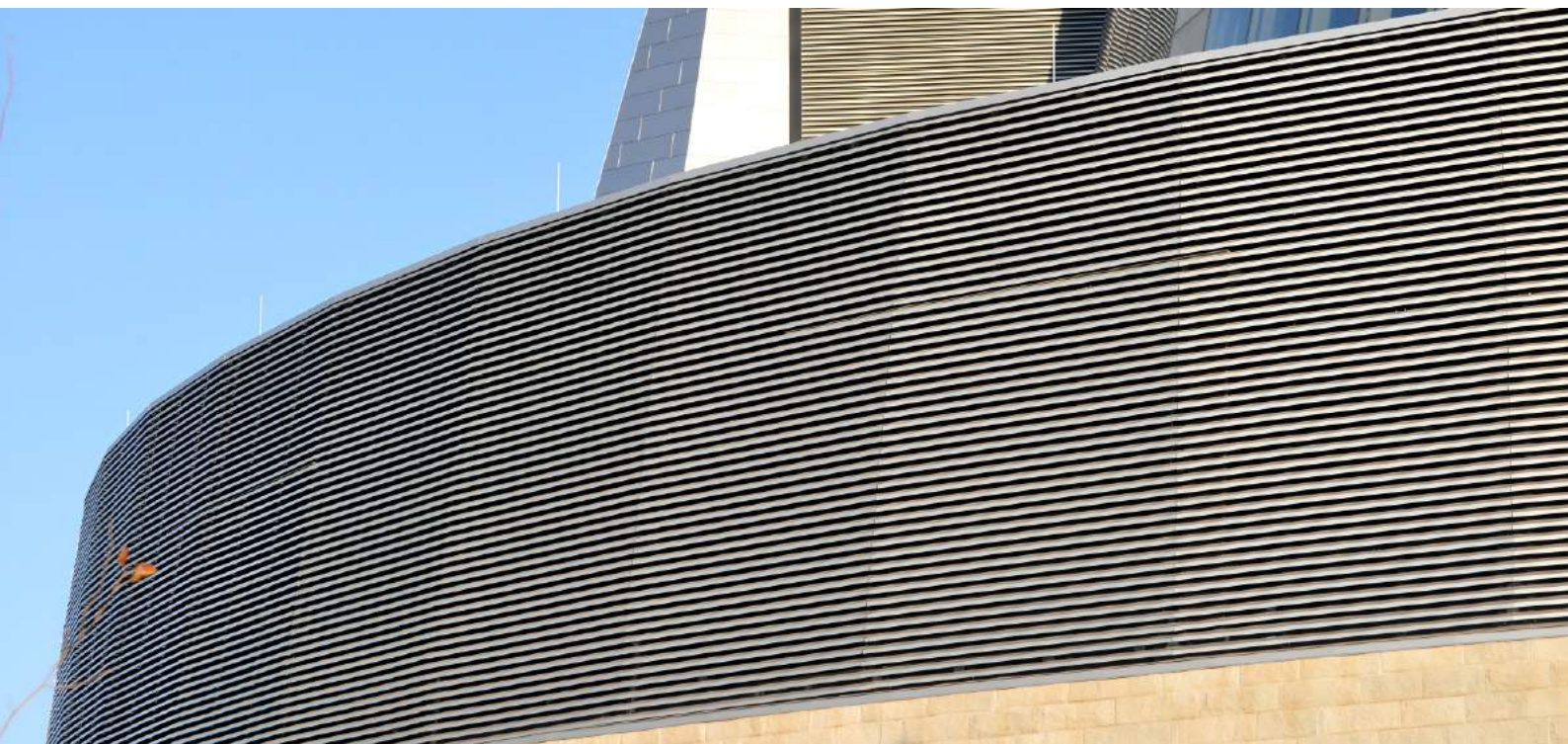
150mm
Louver type
PD 7200



100mm
Louver type
PD 8100



100mm
Louver type
PD 8200

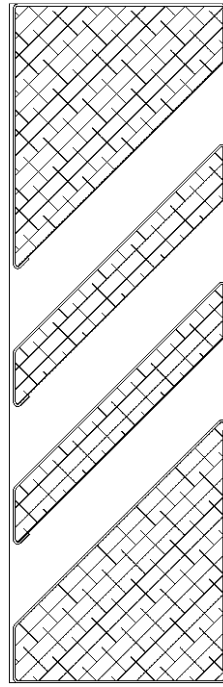


louvers

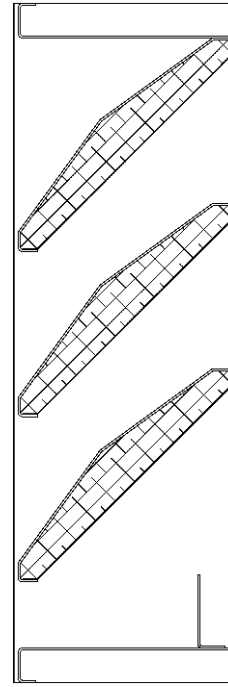
ACOUSTIC & NARROW PROFILE LOUVERS

Pinnacle Solution's acoustic louvers are high performance louvers designed for noise reduction and for the peace of working. The Narrow profile louvers are other set of options for thinner design intents that you shall design and may be for the purpose of elegance and slimmer profile to the building.

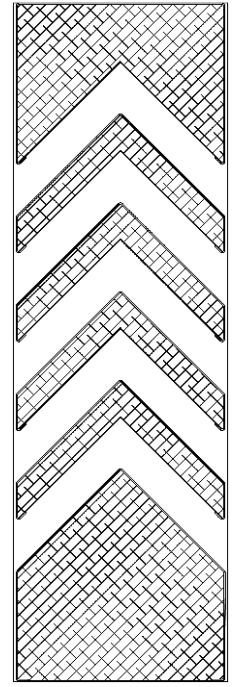
Acoustic Louvers - Parallelogram formed shape



150/200/300mm
Louver type
PA 9100

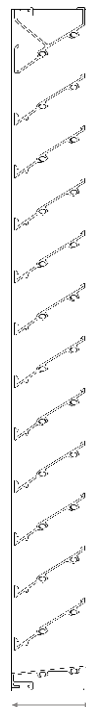
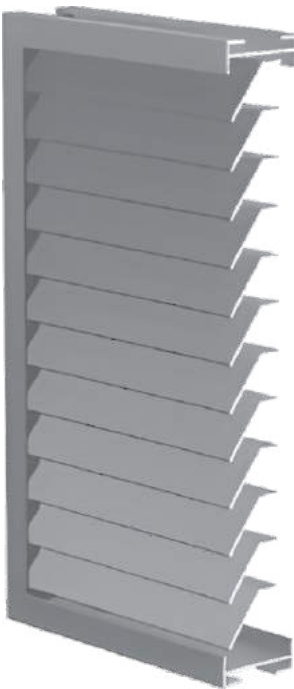


200mm
Louver type
PA 9200

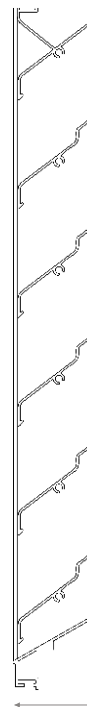


300mm
Louver type
PA 9300

Narrow Profile Louvers



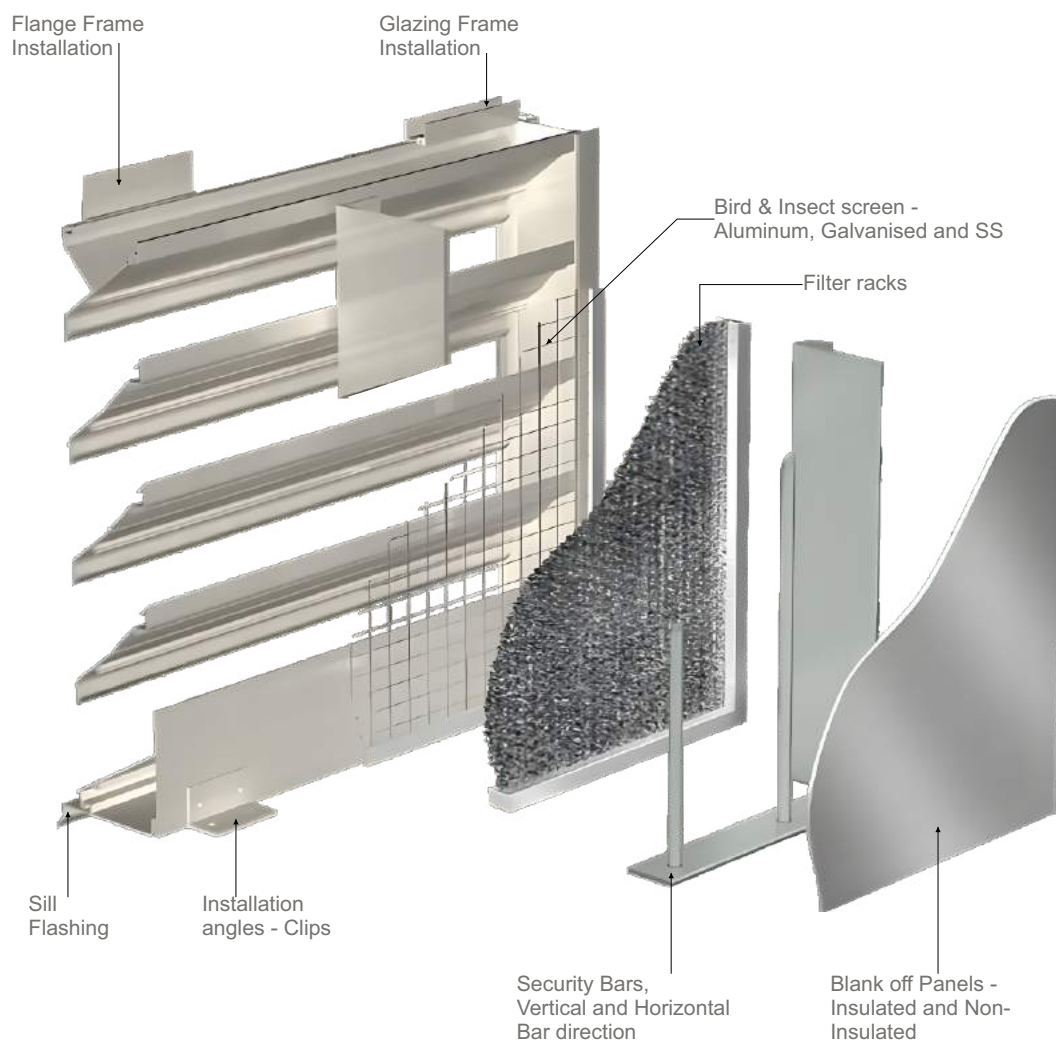
50mm
Louver type
PN 5100



50mm
Louver type
PN 5200

louvers

OPTIONS AND ACCESSORIES



finishes & colours

Your vision becomes a reality when you can choose from 30+ standard fluoropolymer colors, seven standard anodized colors and limitless custom colour options using RAL color program. Our knowledgeable, in-house colour and finish experts listen carefully to your ideas and work to achieve your goal.



Baked Enamel: Louvers shall be cleaned, pretreated and finished after assembly with an oven-cured thermosetting baked enamel finish that meets or exceeds the performance requirement of AAMA 2603, Voluntary Specification Performance Requirements and Test Procedures of Pigmented Organic Coatings.

2-Coat Fluoropolymer: Louvers shall be cleaned, pretreated and finished after assembly with an inhibitive primer and oven-cured Kynar 500 / Hylar 5000 resin coating with a minimum of 1.2 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, Voluntary Specification, Performance Requirements and Test procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels.

3-Coat Fluoropolymer: Louvers shall be cleaned, pretreated and finished after assembly with an inhibitive primer and oven-cured Kynar 500 / Hylar 5000 resin coating with a minimum of 2.0 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, Voluntary Specification, Performance Requirements and Test procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels.

Clear Anodize: Louvers shall be finished after assembly with a Class I clear anodized coating (AAM10C22A41) that complies with the performance requirements of AAMA Specification 611-98, Voluntary Specification for Anodized Architectural Aluminum.

Color Anodize: Louvers shall be finished after assembly with a Class I electrolytically color anodized coating (AAM10C22A42/44) that complies with the performance requirements of AAMA Specification 611-98, Voluntary Specification for Anodized Architectural Aluminum. Color shall be: Champagne, Light Bronze, Medium Bronze, Dark Bronze, Extra Dark Bronze or Black Anodize

100% Fluoropolymer (FEVE) Single Coat: Louvers shall be finished after assembly with a single coat fluoropolymer finish containing 100 % fluorinated ethylene vinyl ether (FEVE) resin, which meets or exceeds the performance requirements of AAMA 2605, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels.

Anodize finishes are not recommended for sun controls and other architectural products that use multiple types of aluminum alloys, due to color inconsistencies. Please connect to our representative for more details.









PINNACLE®

at **Pinnacle Solutions**, manufacturing is just the beginning. When you need a sun control solution that you can trust to perform under the most demanding conditions, count on us to provide the expert guidance and engineering design support you need to move forward with peace of mind along with the code of compliance.

Work with our engineers to design a unique system - no matter how complex it may seem.

Have us develop specification documents and custom details to match. We'll also perform engineering and design your product for wind and snow performance.



All our prices are inclusive of:

- *Accurate quotes when you need them*
- *Complete shop drawings*
- *A Project manager to control the process from your enquiry till handover*
- *Code-complaint hardware required to mount system properly to the building*
- *Specialized equipments to help with installation*
- *Staggered shipments to ensure timely delivery of material*

Visit www.pinnaclesolutions.in for the latest version of this document and more information.

OFFERING SOLUTIONS PAN INDIA



PINNACLE®

ARCHITECTURAL SOLUTIONS FOR BUILDING EXTERIORS

Please write to us for more details -

For Enquiries -
enquiry@pinnaclesolutions.in

For Service and support -
support@pinnaclesolutions.in

Reg. office:
Office No. 201/A, Arihant Royale,
Shastri Nagar, Bal Rajeshwar Road, Mulund
(W) Mumbai, Pin - 400080
Maharashtra, India

Factory:
Plot No. 475/3, Biloshi MIDC, Kudus,
Khanivali Road, Dist. Wada, Biloshi, Wada,
Maharashtra, India

Phone
+91 82914 91283
Bhavya Doshi

www.pinnaclesolutions.in

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