

ALUMINUM WINDOWS SYSTEM



welcome to az

# About Us

AZwindows is a designer and engineer of high quality, reliable and performance driven aluminium systems, providing expert solutions and personal support for clients in the built environment, through local knowledge combined with representation.

AZwindows elements are timeless, individual, and highly convincing with many positive properties. The profiles are extremely durable, and require only low maintenance over their long service lives. Moreover, AZ aluminium elements are non-flammable, colourfast, and 100% recyclable. Thanks to their high stability and load bearing capacity, elements can be produced in extraordinary sizes and with various glass options.

AZwindows windows, doors and sliding systems offer the highest level of quality and security. Their classic lines are the perfect complement to the modern architectural style. The fascinating attributes of these aluminium elements are their excellent fitness for use, even under extreme loads, and assured perfect functionality at all times.

Their weather resistance lends them long term durability, and they are maintenance free to the greatest possible extent. They fulfil virtually all architectural challenges affecting colour, shape, and design. The value and appearance of these aluminium structural elements are therefore preserved – with the corresponding cuts in the cleaning, maintenance, and care costs for your projects.

How your own home looks depend on the design of the window elements. After all the windows, doors and sliding systems characterise the style of your home. For this reason, AZ offers designers great leeway in the choice of window colours. These take the form of powder or anodic coatings that are bonded inseparably to the profile surface.





## Why Aluminum?

Physically, chemically and mechanically, aluminum is a metal similar to steel, brass, copper, zinc, lead or titanium.

It can be melted, cast, formed and machined in a similar way to these metals and conducts electric currents.

In fact, often the same equipment and fabrication methods are used as for steel.





## LIGHT WEIGHT

Aluminum is a very light metal with a specific weight of 2.7 g/cm<sup>3</sup>, about a third of that of steel. This cuts the costs of manufacturing with aluminum. Again, its use in vehicles reduces dead-weight and energy consumption while increasing load capacity. This also reduces noise and improves comfort levels.



## CORROSION RESISTANCE

It is particularly useful for applications where it is exposed to corroding agents, as in kitchen cabinets and in vehicles. In general, aluminum alloys are less corrosion-resistant than pure aluminum, except for marine magnesium-aluminum alloys. Different types of surface treatment such as anodizing, painting or lacquering can further improve this property.



## REFLECTIVITY

Aluminum is a good reflector of visible light as well as heat, and that together with its low weight, makes it an ideal material for reflectors in, for example, light fittings or rescue blankets. Cool roofs made of coated aluminum are invaluable in reducing internal solar heat within a house, by reflecting up to 95% of sunlight.



## STRENGTH AT LOW TEMPERATURES

In contrast to steel, which rapidly becomes brittle at low temperatures, aluminum shows increased tensile strength as temperatures drop.



## NON-MAGNETIC

Aluminum is non-magnetic, making it useful for electrical shieldings as in computer disks, dish antennas, busbars or magnet housings.



## SOUND AND SHOCK ABSORPTION

Aluminum is an excellent sound absorber and is used for constructing ceilings. It is also used in auto bumpers due to its shock-absorbing properties.



## RECYCLABILITY

Aluminum is 100% recyclable and recycled aluminum is identical to the virgin product. This makes it a much more cost-effective source material for production runs. The re-melting of aluminum requires little energy: only about 5% of the energy required to produce the primary metal initially is needed in the recycling process.

[www.azwindows.in](http://www.azwindows.in)



# AZ 17 MINIMAL

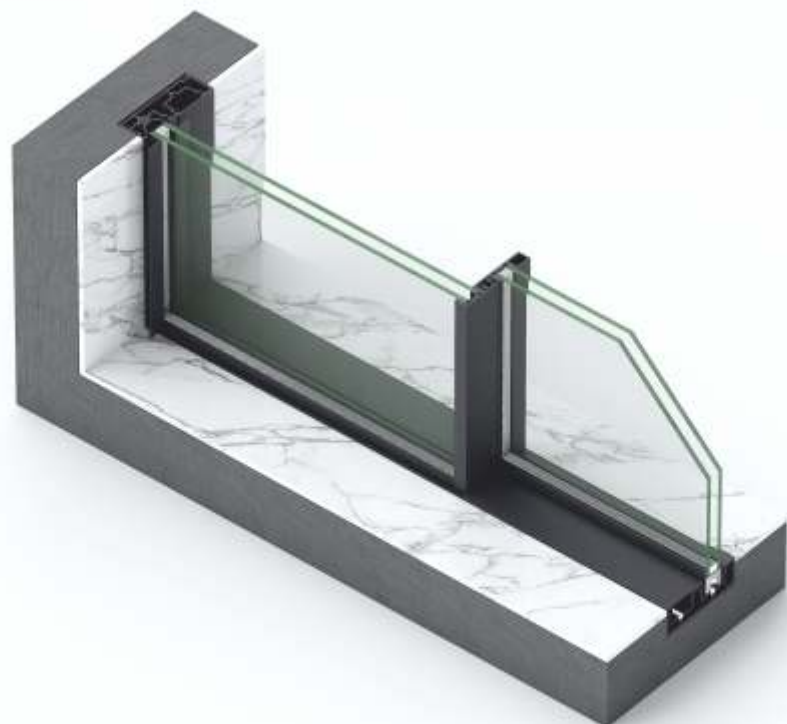
AZ offers **premium slim aluminum windows and doors** with a rare collection of variants with unique configuration that is enough to impress architects and evoke a sense of beauty and security

**AZ Minimal is a Single/Double Glazed Unit** which comes without thermal break.

This system is suitable for the places where there is not much requirement of thermal insulation in aluminum.

This system is also equipped with a special brush seal to attain maximum sound insulation and dust proofing.

With an interlock of only **17mm thickness**, there is no compromise in the elegant aesthetics of the space and the design.



## FEATURES

### INSIDE CONCEALED

Bottom railing can be hidden from the inside with flooring.

### MULTI LOCKING FEATURE

Locks at 3 to 4 places along the height of the window for extra safety

### ACOUSTIC INSULATION

From 85 dB to 40 dB instant reduction in city noise.

### WATER TIGHT

Frames are completely water tight with Class 7A as per EN12208:2000

### 15 YEARS GUARANTEE ON SURFACE FINISH

Our powder coating can last up to 15 years without any kind of peel off.

- Anodize-powder coating, PVDF-wood effect possible, Anti-bacterial powder coating.
- Non-insulated system.
- 2-3-4 track possible.
- Glass thickness 10mm to 24mm.
- Various locking option possible.
- Suitable for low to moderate burglary risk areas.
- Test report by the international agency.



# AZ 15 SLEEK

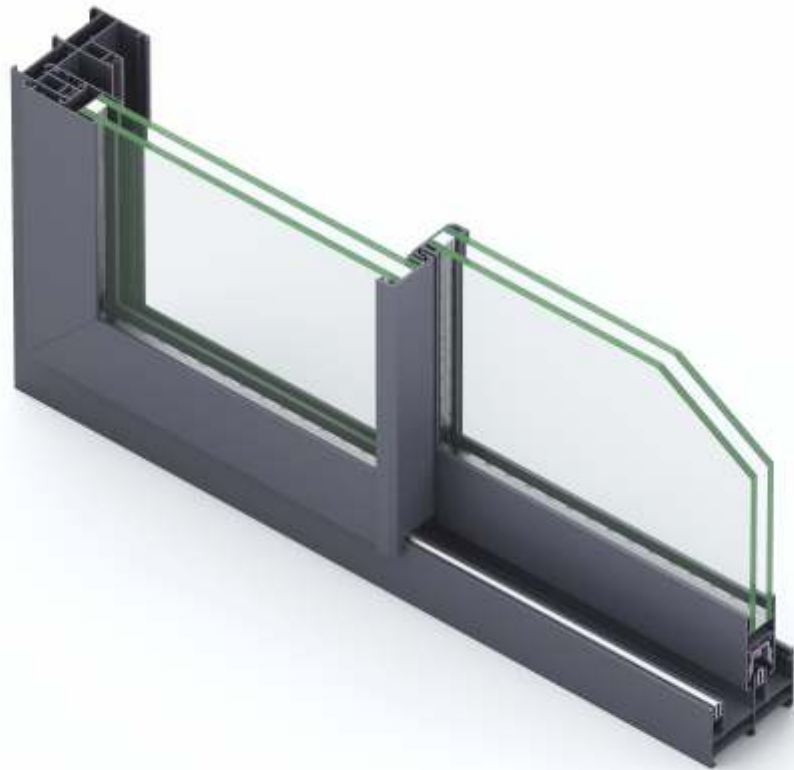
Maximize your views and ventilation with **AZ 15 SLEEK** Sliding System.

This system has been designed for large panels and variety of styles and configurations for maximum visual impact.

**AZ 15 SLEEK** series is available with an options of Double glass unit and Single Glass unit.

This system is available with Surface Finish of Powder Coating, Anodized and Wooden Finished.

Surface Finish Guarantee above 15 years.



## FEATURES

### AZ SMOOTH SLIDE

The smoothest hassle free window sliding experience.

### MULTI LOCKING FEATURE

Locks at 3 to 4 places along the height of the window for extra safety

### HURRICANE BAR

A feature that helps windows bear wind speeds up to 250 km/h.

### MESHED PANE

Come with an option to have a meshed pane to prevent insects from entering.

### 15 YEARS GUARANTEE ON SURFACE FINISH

Our powder coating can last up to 15 years without any kind of peel off.

- Anodize-powder coating, PVDF-wood effect possible, anti-bacterial powder coating.
- Non-insulated system.
- 2-3 track possible.
- Glass thickness 6mm to 20mm.
- Various locking option possible.
- Suitable for low to moderate burglary risk areas.
- Test report by the international agency.





# AZ 45 MOONLIGHT

## OPENABLE ALUMINUM WINDOWS AND DOORS

AZ Moonlight casement series is non insulated outside & inside opening Windows and Doors system. It is a great choice for both traditional and contemporary style home. Moonlight series provide excellent energy efficiency & insulation due to the triple sealing in accordance with European quality standard which can be further improved when paired with an specific glazing solution. AZ Moonlight series come with aesthetically pleasing design and it is available with a wide variety of style and configurations to suit any requirement. This system is available with Surface Finish of Powder Coating, Anodized and Wooden Finished. Surface Finish Guarantee above 10+ years



## FEATURES

### AZ SMOOTH SLIDE

The smoothest hassle free window sliding experience.

### MULTI LOCKING FEATURE

Locks at 3 to 4 places along the height of the window for extra safety.

### AZ TRIPLE SEALING

Excellent energy efficiency and insulation due to triple sealing in accordance with EU Standards.

### TILT & TURN CONFIGURATION

Open the window inward horizontally or vertically with a single twist of the handle.

### 15 YEARS GUARANTEE ON SURFACE FINISH

Our powder coating can last up to 15 years without any kind of peel off.

- Anodize-powder coating, PVDF-wood effect possible, anti-bacterial powder coating.
- Non-insulated system.
- Glass thickness 6mm to 20mm.
- Can open with tilt and turn.
- Various locking option possible.
- Suitable for low to moderate burglary risk areas.
- Test report by the international agency.



# SLIDE & FOLD ALUMINIUM WINDOWS AND DOORS

Folding & sliding doors or bi-fold sliding doors can be just the architectural feature that makes your home stand out. Choosing to install aluminum sliding & folding doors by AZ will prove to be a brilliant addition for your home as they will help create a stunning and contemporary environment for you to rest, play, and work in. They are without question one of the most effective and artistic ways to open up your house without compromising with the open.



## FEATURES

### OPEN-IN-OPEN-OUT CONFIGURATION

Multiple doors can be combined with open-in-open-out options to create wide expanse of opening.

### MULTILOCKING FEATURE

Locks at 3 to 4 places along the height of the window for extra safety

### BARRIER FREE BOTTOM

Bottom frame flushed with floor to make even tread path.

### WATER TIGHT

Frames are completely water tight with Class 9A as per EN12208:2000

### 15 YEARS GUARANTEE ON SURFACE FINISH

Our powder coating can last up to 15 years without any kind of peel off.

- Anodize-powder coating, PVDF-wood effect possible, anti-bacterial powder coating.
- Non-insulated system.
- Glass thickness 6mm to 20mm.
- Can open with tilt and turn.
- Various locking option possible.
- Suitable for low to moderate burglary risk areas.
- Test report by the international agency.



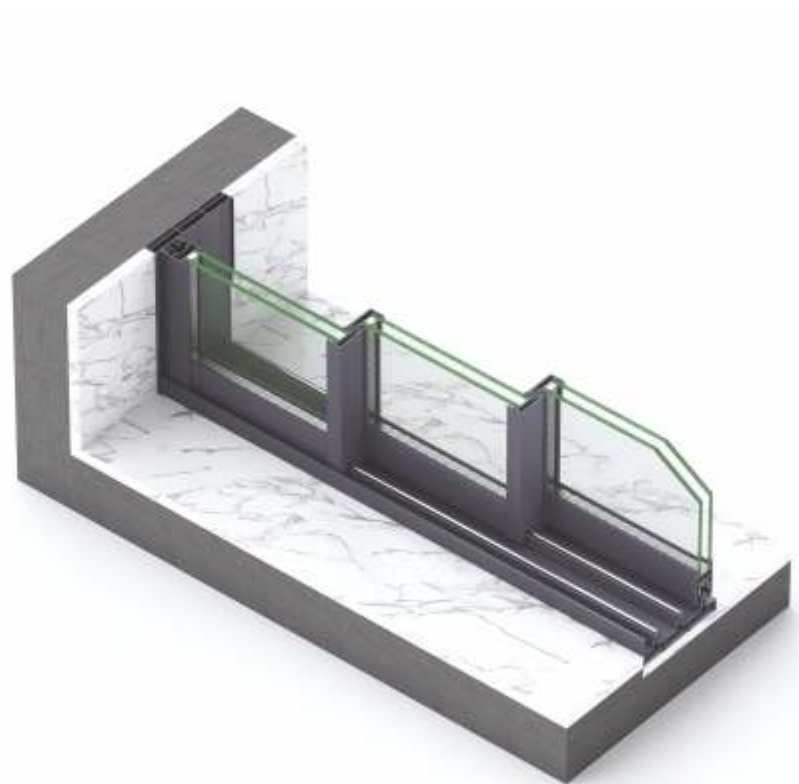
# AZ 25 SLEEK - SERIES

AZ offers **premium slim aluminium windows and doors** with a wide collection of variants in different configuration as required by the architects and builders.

**AZ 25 Slim Series is a Double Glazed Unit** which comes with Premium Segment.

This system is also equipped with a special brush seal to attain maximum sound insulation and dust proofing.

With an interlock of only **25mm thickness**, there is no compromise in the elegant aesthetics of the space and the design.



## FEATURES

### HIDDEN BOTTOM

Bottom railing can be flushed with the floor to hide the frame and clear tread path.

### MULTI LOCKING FEATURE

Locks at 3 to 4 places along the height of the window for extra safety.

### CORNER OPENING

Corner Opening configuration can be created seamlessly.

### MOTORIZED & AUTOMATED

Options to have Remote control/Mobile App for opening and closing.

### ACOUSTIC INSULATION

From 85 dB to 40 dB instant reduction in city noise.

### WATER TIGHT

Frames are completely water tight with Class 7A as per EN12208:2000.

### 15 Years Guarantee on Surface Finish

Our powder coating can last up to 15 years without any kind of peel off.

- Anodize-powder coating, PVDF-wood effect possible, anti-bacterial powder coating.
- Non-insulated system.
- Glass thickness 6mm to 20mm.
- Can open with tilt and turn.
- Various locking option possible.
- Suitable for low to moderate burglary risk areas.
- Test report by the international agency.



**AZ WINDOWS PVT. LTD.**

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