

AIS REGAL SELECT A SYMPHONY OF AESTHETICS & PERFORMANCE



## **THE AIS ALUMINIUM TOUCH!**

AIS Windows, from AIS – India's leading glass manufacturer, offers a premium range of doors & windows in aluminium. Featuring exceptional quality and a comprehensive range, AIS Windows has options to suit a host of doors and windows preferences. We offer end-to-end solutions right from recommendations on our high-performance glass and variety of stylish doors & windows, to easy and hassle-free installation, and more.



## **Choose the Aluminium Advantage**

Aluminium is a light yet strong material that is easy to work on as per the requirements

Aluminum is the most preferred fenestration material for residential and commercial spaces

It has modern aesthetics

It is maintenance-free

It is weather-resistant

It is durable, and provides absolute resistance against rotting, corrosion, and termites



## Minimalism for maximum effect

AIS Regal Select enhances your floor to ceiling aesthetic with slim yet strong and robust frames. Pick from the range of AIS high performance glass options to match your needs.



## **Detailing for performance**

Pick from our proven, world-class and versatile range of glass solutions with options of glazing, including tempered, laminated, DGU and a combination of laminated + DGU glass for sound insulation and thermal comfort along with hardware and accessories, AIS ensures you always get the best.

## **AIS REGAL SELECT UNIQUE FEATURES**

- Heightened Security with Concealed **Beading\*.** This uniquely designed beading makes your system burglar proof.
- Taller openings upto 3.55 mtrs. For taller vistas and beautiful aesthetics.
- **Upto 20% slimmer sightlines** for magnificent views.
  - Effortless handle operations with a wide variety of options.

\*Not available in fixed type of windows

## CUSTOMIZE EVERY COMPONENT TO MATCH YOUR STYLE

AIS Regal Select provides the single solution advantage.

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Choose your system windows and doors along with high performance glass and a wide range of ergonomically designed handles.



## WINDOW TYPE



GLASS



HANDLES



### **DOOR & WINDOW SELECTIONS**

Customize your doors and windows to your taste and design with different shapes, sizes, styles and colours.

## **Key Features**

- Taller profiles upto the height of 2.9 meters.
- Slimmer sightlines for wider vistas.
- Available with Zero-threshold.
- Co-extruded gaskets which can withstand temperature levels ranging from 20°C to 50°C.
- Wide range of glazing possibilities from 5 to 34 mm.

## **COMMON TYPOLOGIES**







# **MORE DESIGN POSSIBILITIES** --• • •





A single sash which is hinged from the side but can be opened either inward or outward.





## **SLIDING DOORS &** WINDOWS

The sliding feature is ideal for areas with limited spaces where conventional doors are less preferred to provide a compact solution.

Sliders for functionality with grace

## **Key Features**

- Possibility of tall sliders of upto 3.55 meters with slim sightlines.
- Minimum visible interlock width in sliding system of only 30mm to maximize visibility and natural lighting.
- Meeting stile width of just 63mm.
- Special interlocking profile with integrated handle for functionality and significant wind load resistance.
- Customised provision of integrated insect screen.
- Wide range of glazing possibilities from 5 to 28 mm.

### **COMMON TYPOLOGIES**











## SPECIAL **DOORS & WINDOWS**

**Glass to Glass (90°) Fixed Window** Glass-to-glass windows are aesthetically appealing as corner windows with glass panes meeting at a 90 degree angle to create a sense of space and completeness. These offer a great panoramic view of the outdoors and allows maximum natural light to enter.



## COMBINATION DOORS & WINDOWS

Explore a unique style integrating casement, fixed and sliding window designs together to create a robust and aesthetic frame. They can be built to accentuate your space for great views.

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## **PROVEN EXPERTISE AND EXPERIENCE IN GLASS MANUFACTURING**

With the country's biggest glass product portfolio, AIS have over 37 years of manufacturing experience of world-class products in automotive glass, architectural glass, consumer glass. Our range of products is constantly pushing the boundaries of contemporary design with the vision of sustainability and efficiency. At AIS, we reimagine the possibilities with glass every day.



### Setting benchmarks in quality

Our Indian & International certifications speak for themselves, as we ensure products are put through stringent inspections in our state-of-the-art manufacturing and testing facilities to ensure highest quality.





ISO 9001:2008





IS 2553 Part 1

IS 2553 Part 2 (Tempering)

### Glass Options – Various combinations can be used for the right solution

The options begin with our tempered glass and extend into range of glass options in SGU and DGU. Your selections will reflect your requirement, and we have you covered to make the right combination.

Need	Recommendation	Key Features
Enhanced Security	AIS Security Plus	5x stronger than conventional laminating material.
Acoustic Performance (High-noise Cancellation)	Laminated Glass/Laminated DGU	Excellent noise reduction properties
Security – Main Doors, Windows	Laminated Glass	High level protection against burglar attacks
Energy Efficiency & Sound Insulation	Insulated Glass unit with high performance AIS Ecosense glass	High Energy Efficiency & Sound Insulation
Standard Performance	Tempered Glass	Cost-effective, for sleeker profiles, stronger than annealed glass, low risk of impact-induced breakage

Key Requirement	Recommended Type	AIS Brand Name	Key Features
	Smart Glass	AIS Swytchglas™	<ul> <li>Provides privacy with a click of a button.</li> <li>Being a laminated glass, provides security and blocks harmful UV rays</li> <li>Activates in less than 10 microseconds.</li> <li>Available in a variety of colour tints.</li> <li>Works with an electric switch or a remote control device.</li> </ul>
Effortless privacy	Integrated Blinds	AIS Integrated Blinds	<ul> <li>Blinds integrated within the glass units to ensure privacy.</li> <li>The blinds can be controlled manually or via a remote switch, based on preference.</li> <li>A range of different blind types to choose from along with multiple colour choices.</li> <li>Also, being a DGU, helps in energy savings.</li> </ul>











ECE Marking for lower thickness (Cat. I, II, & III)

### **Sections Offered**





### **Glass Choices**



### Single Glazed

- A single layer of glass
- Provides medium to low energy efficiency,depending on glass chosen



### **Double Glazed**

- Two panes of glass an interior glass pane and an exterior one
- An embedded layer of inert gas creates an insulated environment between the interior and exterior of a window
- Provides superior energy efficiency and sound reduction



Slider Window

**Casement Window** 

### Laminated

- Two or more layers of glass sandwiched with polymeric inter-layer like Polyvinyl Butyral (PVB)
- Provides safety and high levels of sound reduction



### **CASEMENT - WINDOW**













### Make your selection from a variety of styles

Please refer the actual color sample before finalising the handle.





Color shown here is for representation purpose only. Please refer to the actual color sample before finalising.

	Parameters		Sliding (Per Shutter)	Casment (Per Shutter)	Fixed (Per Shutter)	
	Maximum weight Capability	Window	80 kg	70 kg	250 kg	
		Door	200 kg	120 kg		
	Width Capability (Min-Max)	Window	500-1200 mm	400-1150 mm	010.0500 mm	
		Door	600-2000 mm	550-1200 mm	310-3500 mm	
	Height Capability (Min-Max)	Window	500-1950 mm	450-1750 mm	· 310-3500 mm	
ation		Door	1800-3550 mm	2000-2900 mm		
Profile Specification	Glass thickness Capability (Infill)	Window	5-18 mm	5-34 mm	- 5-34 mm	
ofile S		Door	5-28 mm	5-34 mm		
Pr	Construction Depth-Proposed		45 -125 mm	45mm	45mm	
	Thermally Broken		No			
	Aluminium Termpering		T6063			
	Minimum Powder Coating Thickness		50-60 Micron			
	Profile Thickness (min-max)		Ranges- 1.2 to 2 mm			
	Dimensional Tolerance		IS-6477 1999			
	Tubular / Non Tubular		Yes / Yes			
etics	Corner Joint-crimped/Punched Cleat		Punched Casting Cleat (Spring loaded)			
	Glazing Bead Joint (Square/Miter Cut)		Concealed Clip (Squared)			
Aesthetics	Security Beading		Yes	Yes	-	
	Double Patam Profiles		No	No	-	

	Parameters	Sliding (Per Shutter)	Casment (Per Shutter)	Fixed (Per Shutter)
Sealing System	Barrier Sealing System	2 Barrier Sealing		
	Brush Seal	With Plastic Fin		
Seç	Internal Gasket	EPDM		
	External Gasket			
S	Low Threshold	Yes	Zero threshold	-
Featur	Anti-lift Anti-theft System	Yes	Yes	-
Security Features	Submerged/Sunken Floor	Yes	Yes	-
Se	Static Bar/Hurricane Bar	Yes	Yes	-
_	Detachable Fly Mesh	Yes	Yes	Yes
Fly Mesh	Pleated Mesh	Yes	Yes	Yes
E E	Pull Down Mesh	Yes	Yes	Yes

All the dimensions and features mentioned in the catalogue are subject to change without prior notice.









AlS Windows & Doors visualizer helps you visualize the placement of our doors and windows in your space.



**DECEMBER 23 - 2021** 

### Consult our Experts : 1800 103 4805