



WINDOWS

COMPLETE WINDOW SOLUTIONS

NOW
IN INDIA



BECAUSE LIFE NEEDS
A FRONT-ROW SEAT



WINDOWS

COMPLETE WINDOW SOLUTIONS

Gazing out the window, a panorama of memories flash before your eyes - of childhood days replete with games and pranks, of enjoying the fireworks lighting up the sky, or just the scenes of blissful nature in her abundance that embrace you in their cozy warmth. A vital gateway to your past and present, the window forms an integral part of your life.

The right window offers clear views and lasts a lifetime. Let Saint-Gobain help you choose wisely, to get the best of both performance and aesthetics.





A step-by-step guide, to help you finalise the right windows for your place.

01

WHY WINDOWS



02

WHAT TYPE OF WINDOW



03

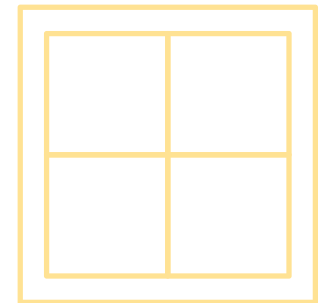
HOW TO GO ABOUT THE PROCESS



01

WHY WINDOWS

BECAUSE LIFE NEEDS A FRONT-ROW SEAT.



Savour the beauty of the early morning sun as it peeps in to greet you. Feel a fine spray of rain. Float with joy on seeing your child return from school. Life would be less colourful without windows - as you see the world through them. Your very own tranquil space that keeps out noise, dust, heat, cold and rain. Windows lend elegance to your home and let you witness the world around you. No home is complete without them.

THE
3-0
APPROACH

OBJECTIVE



ORIENTATION



VERALL LOOK





OBJECTIVE

Windows aren't just for viewing. They should let in ample daylight, offer ventilation, and more.

SEVEN REASONS WHY WINDOWS ARE KEY:



Connect us to the outside world: Sunrise, sunset, rainfall, or birds flying home, nothing showcases the splendours of the world better than windows.



Enhance the visual appeal of the house: They increase the aesthetic impact of the home and complement the other elements perfectly.



Let in daylight: More optimum daylight uplifts our mood and makes us happier.



Offer ventilation: They help let out hot air, steam, and enable cross-ventilation and fresh air inside the house.



Provide energy efficiency: They let in the light but cut out heat, thus reducing power costs.



Provide sound insulation: Windows can reduce external noise, for enhanced peace and tranquility.



Ensure Safety: They keep out vandals, and also protect you against the vagaries of nature, ensuring security for the whole family.





ORIENTATION

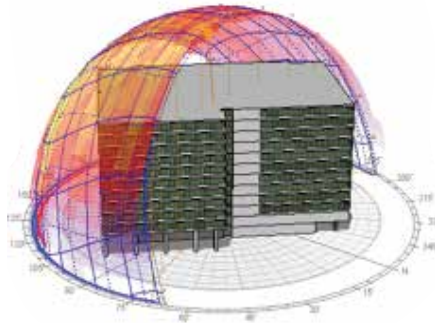
Locating the window appropriately is important for perfect harmony.

Know where the sunlight comes from:

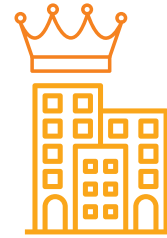
- South facing windows will have more sunlight through the day.
- East & West facing windows will get morning and evening sunlight.
- Factor in the direction of the breeze.
- Check surrounding buildings and outdoor views to identify the right orientation of the windows.

Sunpath

Plot a sunpath to understand the solar exposure on different faces of the building.



Scan the QR code to understand how Sun Path analysis works.



OVERALL LOOK

Base it on the architectural design.



TRADITIONAL HOME:

- Boasts a long, sloping roof to safeguard the home's walls and cope with the heavy monsoon rains.
- Displays pillars on walls erected on an elevated plinth, to protect against dampness.
- Windows:
 - Casement windows on all floors provide both ventilation and views.



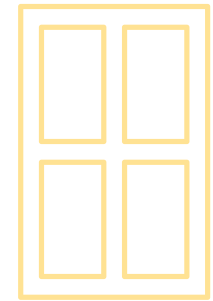
MODERN HOME:

- Showcases a sturdy horizontal design with spacious open floor plans, deliberate asymmetry, and large glass windows or glass walls.
- Features more glass everywhere -large windows, balustrades and doors.
- Windows:
 - Large-sized windows.
 - Fixed and sliding types.

02

WHAT TYPE OF WINDOW

BECAUSE EVERY LITTLE DETAIL COUNTS.



Selecting the right window is important to get all functional and aesthetic benefits. A window is an assembly of several important components that function in tandem. The three main components of any window are window frame, glass and hardware.

3 COMPONENTS OF A WINDOW



FRAME



GLASS



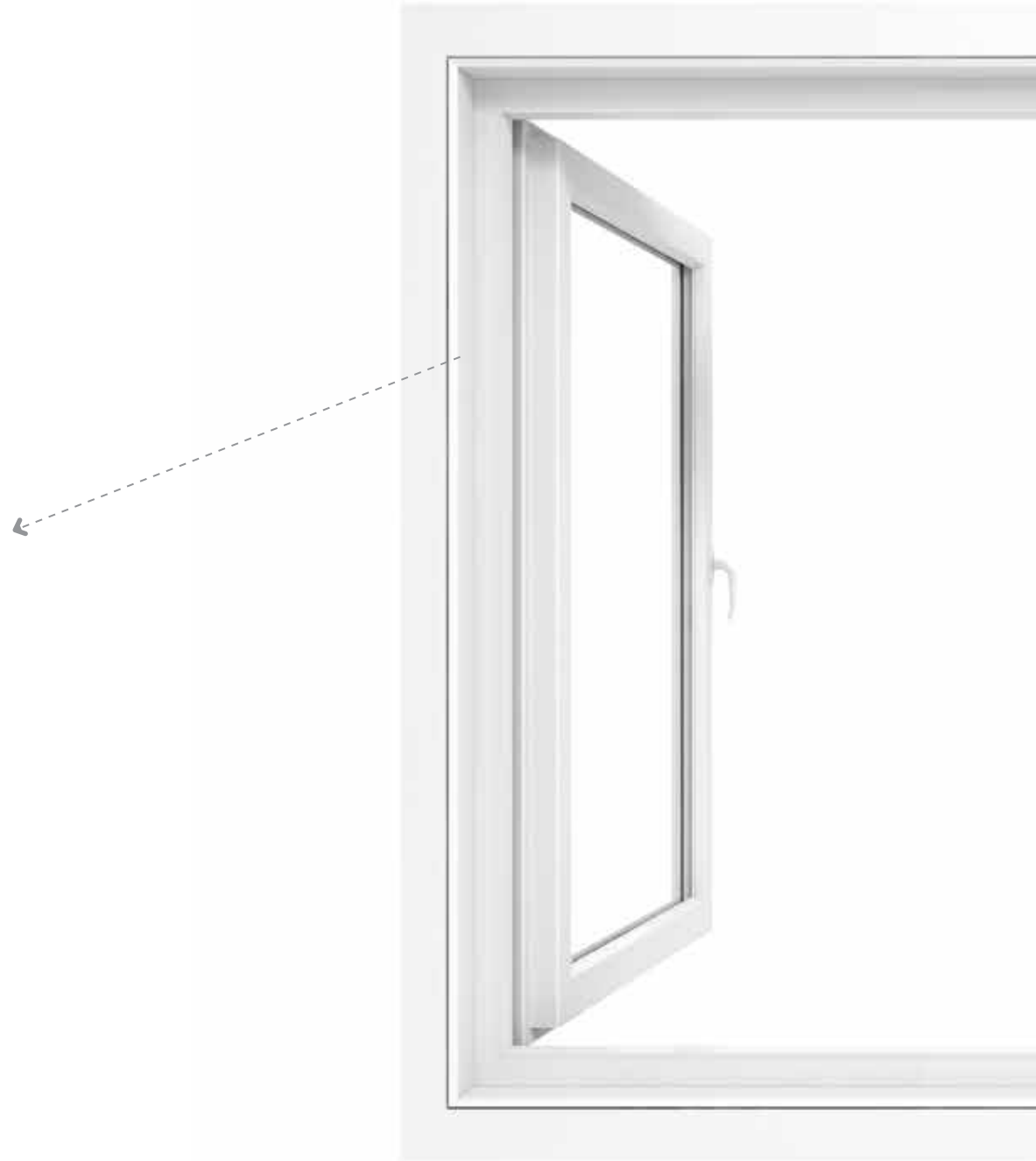
HARDWARE

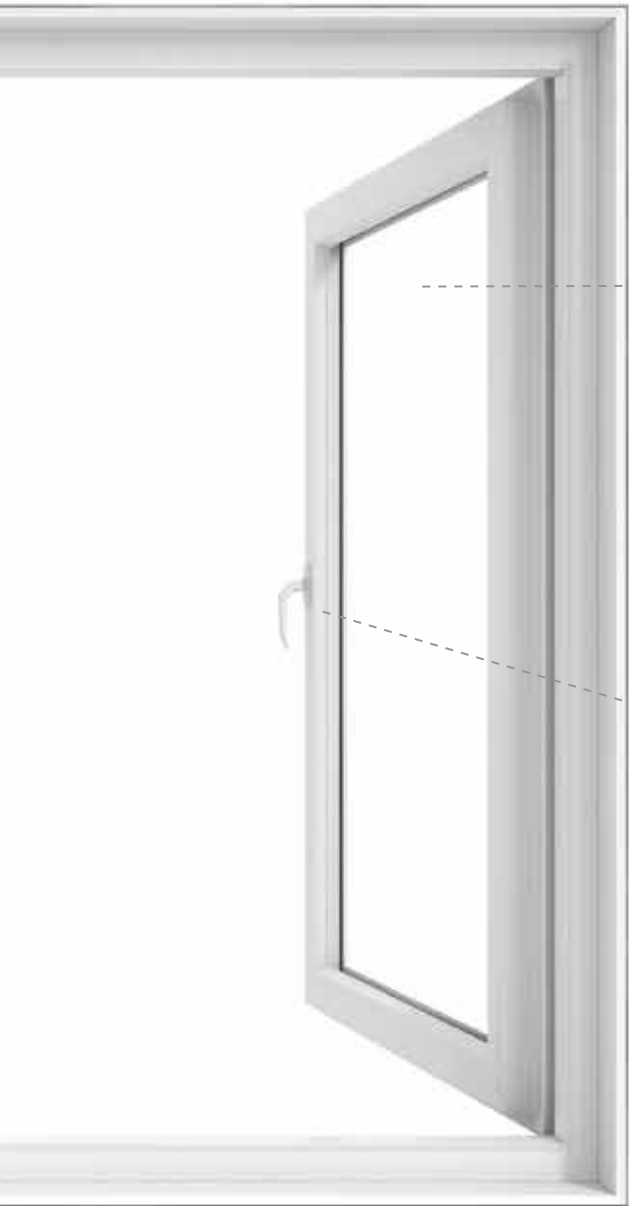
KEY COMPONENTS OF A TYPICAL WINDOW



Frame

01





02



Glass

03



Hardware

01 WINDOW TYPE

SLIDING WINDOWS



- Come with shutters that glide either way to both the left and right, in one frame.
- Do not take up extra space outside or inside the house.
- Suitable for rooms, balcony spaces and kitchens.

CASEMENT WINDOWS



- Have shutters that open both ways, as per window type.
- Enable maximum ventilation and provide superior noise reduction.
- Suitable for bedrooms, living rooms and bathrooms.

FIXED WINDOWS















- Are non-openable and fixed on all sides.
- Let in light and offer outdoor views, illuminating homes.
- Ideal for openings where ventilation is not needed and good views are present.









The portal to life, the power of choice









Windows come in many forms and shapes. Choose one that suits your need from the following styles:

Performance

	PANORAMIC VIEWS
	VENTILATION
	NOISE REDUCTION
	AIR AND WATER TIGHTNESS

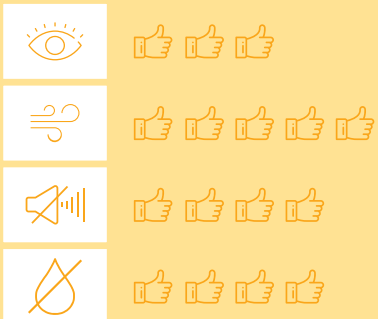
	
	
	
	

AWNING WINDOWS



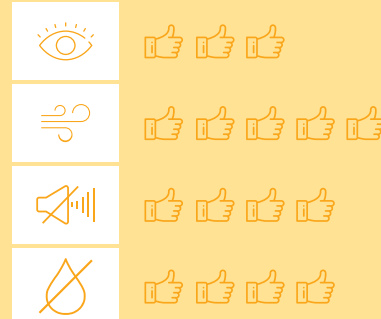
- Are hinged at the top, and open outwards.
- Allow excellent ventilation while preventing water ingress during rains.
- Ideal for ventilating bedrooms, bathrooms and stairwells.



TILT AND TURN WINDOWS



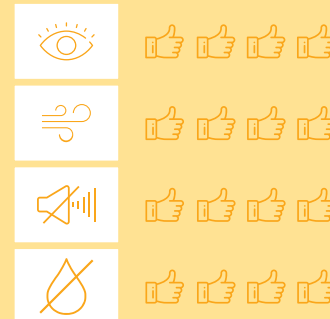
- Have special hinge mechanism that opens sideways like a casement window, or tilts at the top or bottom.
- Allow mild ventilation or regular opening as required.
- Use the tilt mode for constant ventilation in bedrooms & living rooms, and turn mode for higher breeze as required.



BAY WINDOWS



- Are a collection of three or more windows in an angular formation.
- Transform regular corners inside homes into spaces for relaxation.
- Suitable for living rooms, and bedrooms, giving luxurious views and comfort.



COMBINATION WINDOWS



- Combine sliding, casement, fixed, awning or tilt-and-turn windows.
- Allow maximum design flexibility to address specific ventilation or lighting needs.
- Multiple combinations possible with all types of windows.



02 FRAME

The frame of aesthetics, the powerhouse of performance.

Once the type of window is selected, selecting the frame is the next step. The frame provides durability to the window and ensures longevity. Choose the frame wisely.



PRO TIP

Always look for a lead (Pb)-free window frame.

~~lead(Pb)~~



DID YOU KNOW

uPVC windows don't need painting or polishing - enjoy hassle-free maintenance!

uPVC frames are highly sustainable as they can be recycled.

A good white uPVC frame has:

- 7-8 parts Titanium Dioxide, an expensive raw material which provides superior weather resistance and prevents discoloration.
- Calcium Carbonate for mechanical strength. However, more than 10 parts will lead to chalking and brittleness.





A FRAME BUILD



Good quality uPVC windows offer the following benefits:

- **Premium Look:** Pristine White finish or Wood-coloured finish - provide a premium look and feel.
- **Thermal Comfort:** uPVC windows come with excellent thermal insulation, keeping you cool in summers and warm in winters.
- **Low Maintenance:** Unlike Wood or Aluminum windows, uPVC windows do not require painting, buffing, or polishing, and are easy to clean as well, making them extremely low maintenance.
- **Noise Reduction:** uPVC windows keep unwanted noise out, providing acoustic comfort. Double glazed uPVC windows cut unwanted noise by as much as 70%.
- **Durability:** uPVC windows are resistant to corrosion due to heat and humidity. The frames come with metal-reinforcement and are tough and durable.

B FRAME COLOUR



uPVC frames come in colours & textures to enhance the aesthetics of interiors. The frames can be:

- **White-that-stays-White Frame**
A good uPVC frame is one that stays white forever due to superior raw materials. While choosing a white frame, always insist on White-that-stays-White Frame.
- **Textured Frames**
Wood texture frames that have the look and feel of wooden frames without the disadvantages of wood - deformation, termites and lack of longevity.
- **Vibrant-coloured Frames**
The frames also come in vibrant shades of wood.

03 GLASS

The impact of craft, the ingenuity of innovation.

Over 90% area of the window is glass. The type of glass used impacts:

- The amount of light coming through the window.
- The flow of heat in and out of your home.
- The amount of outside noise you hear.
- The energy efficiency.

Ensure you get the type of glass that suits your home.

A) Types of Glass:



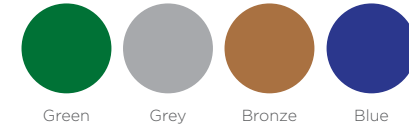
CLEAR GLASS

- Glass that allows maximum light and views.



TINTED GLASS

- Enhances the aesthetics of the home.
- Available in:



SUN BAN GLASS

- Ideal for windows in Indian climatic conditions.
- Specially engineered to maximize light and minimize heat.
- Optimises daylighting, cuts UV radiation and solar heat up to 70%.
- Offers superior thermal performance compared to clear/tinted glass.
- Wide range of colours & thicknesses available.



Scan the QR code to know how Sun Ban works.



PRO TIP

Complement glass color to your walls to get excellent aesthetics.

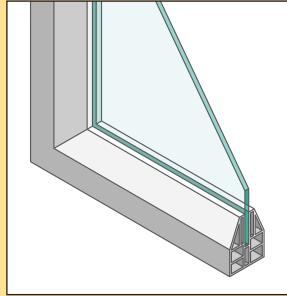


DID YOU KNOW

Sun Ban glass maximizes productivity by allowing light but cutting out heat. This is possible due to a highly durable coating on the glass.

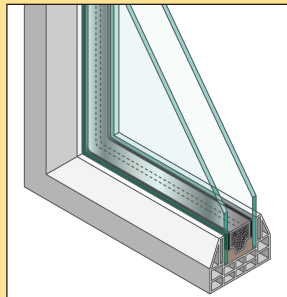
B) Glass Fitment:

Every glass comes with a specific fitment into the window, as a Single Glazed Unit (SGU), Double Glazed Unit (DGU), or Laminated.



SINGLE GLAZED

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



LAMINATED

- Two or more layers of glass sandwiched with a polymeric interlayer like Polyvinyl butyral (PVB).
- Provides safety and high levels of sound reduction.

C) Glass strengthening

4X

It is always advisable to go for toughened glass for windows. Toughening is a process wherein virgin glass is strengthened up to 4 times to withstand impact to ensure safety.

PRO TIP



Saint-Gobain 654 PPM clear glass is the new gold standard in glass. This means it is the only glass with the highest purity and clarity, for unmatched vision that is so clear and so pure.

A Double glazed glass can help save on electricity bills significantly by reducing airconditioning load.

Laminated glass can make your interiors strikingly calm by filtering out external noise.



Scan the QR code to access info on the process of Toughening/Lamination/DGU

04 Hardware & Accessories

The importance of form, the empowerment of function

If opening or closing windows is a challenge, it is a sign that the window is not fitted with good hardware.

Good hardware is designed to enhance the look and style of the windows while ensuring smooth, effortless operation for years to come.

HARDWARE AND ACCESSORIES IN A WINDOW:

- Comprises gaskets, handles, hinges and locks.
- Enables ease of operations & ergonomics.
- Adds to the aesthetics.
- Ensures hassle-free maintenance of the window.





Hardware components



Handle

Lock



Hinge



DID YOU KNOW

Good hardware is tested for their strength, durability and corrosion resistance. Saint-Gobain hardware and accessories are tested against stringent international standards.

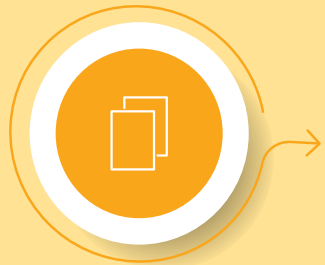
03

HOW TO GO ABOUT THE PROCESS

A HASSLE-FREE
EXPERIENCE FROM
BEGINNING TO END.

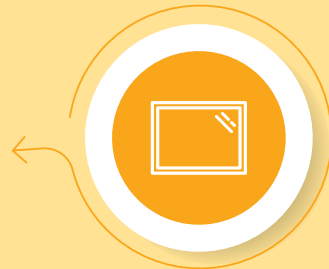


THE PATH



01
CHOICE OF
WINDOW DESIGN

02
SELECTION OF FRAME,
GLASS, GLASS FITMENT
AND HARDWARE.



03
SURVEY AND
MEASUREMENT AT
YOUR HOME



04
PRODUCTION OF
WINDOWS

05
DELIVERY OF
WINDOWS



06
INSTALLATION
AT YOUR HOME

07
AFTER-SALES
SERVICE







WINDOWS OF WELLBEING



WINDOWS

COMPLETE WINDOW SOLUTIONS

uPVC Windows from Saint-Gobain

EUROPEAN
ENGINEERING &
DESIGN

WORLD-CLASS
FRAMES, GLASS
& HARDWARE

HASSLE-FREE
INSTALLATION &
AFTER-SALES SERVICE

Saint-Gobain provides end-to-end window solutions, spanning window design, manufacturing, delivery, installation and after-sales service.

With a legacy of 350+ years of glass expertise coupled with advanced European window manufacturing technology, Saint-Gobain manufactures customised windows that are made to last a lifetime.

Choose from our range:

PREMIER

ELITE

ROYAL



PREMIER

Imparts a refined, sophisticated, and ultra-modern look to interiors.



TYPE

- Available as Sliding, Casement and Fixed variants.



FRAME

- White-that-stays-White uPVC profiles.



GLASS

- Clear 654 PPM glass - Toughened.
- Tinted glass - Toughened.
- Choose from Single glazed, Double glazed and Laminated glass variants.



HARDWARE

- Premium hardware fittings.



Also available are doors - Sliding and Casement

ELITE

Lends premium look, with the added advantage of energy efficiency.



TYPE

- All window styles available.



FRAME

- White-that-stays-White uPVC profiles.



GLASS

- Energy efficient Sun Ban Glass - Toughened.



Blue



Green



Grey



Metallics



Neutrals

- Choose from Single glazed, Double glazed and Laminated glass variants.



HARDWARE

- Premium hardware fitments.

Also available are doors - Sliding and Casement



ROYAL

Bestows a timeless heritage look that blends well with traditional and modern architecture.



TYPE

- All window styles available.



FRAME

- Aesthetically pleasing, richly textured wooden grain finish.

Range of uPVC profile colours



Mahogany Walnut Light Oak



GLASS

- Energy efficient Sun Ban Glass - Toughened.



Blue Green Grey Metallics Neutrals

- Choose from Single glazed, Double glazed and Laminated glass variants.



HARDWARE

- Premium hardware fitments.



Shades are representative and subject to change.

SAINT-GOBAIN
10-POINT
ADVANTAGE

10

EXPERIENCE THE SAINT-GOBAIN LEGACY!



01. Centuries of experience in building materials



02. Expertise in glass, the largest component in a window



03. Sophisticated window designs



04. Windows to meet every need - Sound reduction, UV protection, Energy efficiency & more



05. Hassle-free, high-quality windows

ENJOY THE SAINT-GOBAIN ADVANTAGE!



06. Complete solutions from measurement to installation



07. Enhanced aesthetics, improved performance



08. Technical expertise in the areas of Sound reduction, Daylighting, Energy efficiency and Safety



09. European engineering in all production lines



10. Proven customer service



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