

Welcome to



Sunshine Upvc Windows



Sunshine is a product brand of young and dynamic **Sunshine** windows and doors systems are engineered with precision and are masterpiece of art. **Sunshine uPVC** Window and Door systems come in a range of customized designs and wood shaded to match with all decors.

Sunshine windows and door system is made of best raw material to enable best formulation for its UPVC profiles. This enable **Sunshine** to deliver a profile system which is free of any kind of Lead, fading or de-colorization, warp age & cracking for a very long period. Also it is approved in green building concept.

Sunshine has country-wide marketing network which will work in close co-ordination with customers. We provide a complete windows & doors solution, right from designing till installation.



Lending Foundation to futuristic glass panes, windows and doors

Interestingly the awareness is fast spreading among the people that UPVC windows and wooden flooring & also wall covering is an essential part of their life.

Windows and doors have undergone a sea of changes in the modern buildings.

Universally, architects and builders have acknowledged that UPVC windows and doors are of engineered quality and can be customized to any size. Their aesthetical good looks, their ease of installation and their undisputable long term benefits have convinced architects, builders and consumers alike. **Sunshine** UPVC frames can comfortably house bigger sheets of glass due to their inherent deeper glazing rebates which are a stringent requirement for combating India's highest wind pressures.

Sunshine Windows and doors systems give matchless support to a wide range of glass thickness. Available in varied range of contemporary styles and designs in white and natural wood finishes, **Sunshine** Systems render strength, beauty and convenience to window and door of any size.

What is UPVC Profile



UPVC (Unplasticized polyvinyl chloride) is based on rigid PVC material. It is designed and manufactured with strict standards, which assure that it can work under the temperature ranging from 70°C to 80°C, the welding angle is high tensile strength, the anti-aging is up to 6000h, the life time is more than 40 years.

Special Features of UPVC Windows and doors:

1. Maximum weather resistance

Thermal double glazed windows and doors are manufactured specifically perfect barrier for the INDIA extreme climate, they will not rotting, splitting, warp twist, crack or disclosure and will be unaffected by salty air, they are capable of protecting from high UV index, water light and draught proof. It can withstand storms with wind pressure of over 250 km/hour. UPVC windows do not have leakage during rain.

2. Fire resistance

UPVC windows and doors do not support combustion. UPVC will not accelerate the spread of flames in the event of fire as the chlorine content of the UPVC acts as a fire retardant. UPVC window frames do not melt which is a common misconception based on how people perceive other plastic material.

3. Environment friendly and energy friendly

UPVC windows and doors are a viable as well as superior opinion to wood and aluminum. Positive insulation reduces the carbon footprint of the building. Being a

substitute of wood, it helps the environment by reducing deforestation. These profiles are also recyclable containing green line calcium zinc for eco friendliness.

Unlike the metal UPVC is non-conductive material, it does not transfer heat. In today's scenario air conditioning is the staple need of all the modern buildings. The inherent material advantage of UPVC, of being a good insulator, makes for highly energy efficient windows, which can save up to 30% of energy requirement.

4. High acoustic/ Sound insulation

UPVC windows and doors utilize a multichambered profile design with double seal technology that ensures inherent insulation against sound infiltration. Installed with appropriate glazing, sound reductions up to 40DB (decibels) are possible thus providing excellent levels of soundproofing and assisting effectively in the desire to protect against noise pollution.

5. Termite proof

In tropical climates wooden windows and doors are often destroyed by termites, whereas UPVC windows and doors are fully resistant to these insects. Our profile do not break down over time and deteriorate, so their termite repellant properties are not compromised even after years of use.

6. Easy maintenance

UPVC windows frames don't need painting or sealing which significantly reduces the maintenance required over their lifetime. They are easily cleaned with water and detergent. UPVC is a new age material that does not deteriorate with time and our film coating process ensures that no amount of harsh sun exposure or even high winds can affect it. Routine cleaning is all they require and performance will remain high through their lifetime.

7. Dust proofing

Thermaglaze double glazed windows and doors do not require repainting and costly maintenance. In fact, an occasional wipe with a damp cloth and oiling of the mechanical fitting is all that is required.

8. High security

UPVC windows incorporate multi-locking systems providing a high level of security for homes or businesses. Most UPVC window locking systems lock at multiple points all around the sash and frame. High stability windows and door profiles offer the best solution for increased safety. Special fittings glazing, qualified windows fabrication and expert installation offer an enhanced security levels.



Comparison of UPVC windows with aluminum and wood

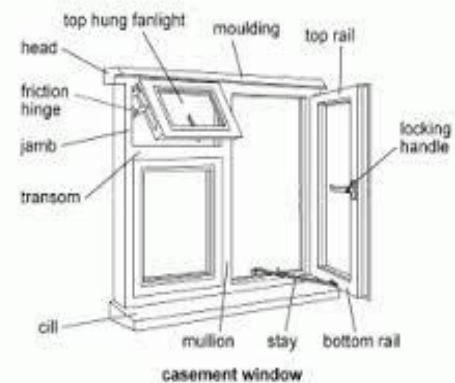
Particulars	UPVC	Aluminum	Wood
Surface Quality	The surface quality is maintained throughout its useful life.	Anodizing wear out and its corrosion sets it.	Requires regular up keeping
Thermal insulation	Very good, heat losses are reduced due to wider profile depth & multi chamber section.	Poor being a metal it has Fair thermal insulation, and high thermal conductivity.	

Fire property	Excellent	Excellent	Poor
Acoustic insulation	Excellent, the multi chamber sealed cavities and welded joint corners offers excellent acoustic insulating properties.	Poor, the mechanically Fair corners renders very poor result from acoustic insulation angle.	
Dimensional accuracies	Excellent, they are factory produced on sophisticated machine hence offer uniform quality control.	Poor, they are fabricated locally, hence poor quality and non uniformity.	
Conversation of energy	Excellent	Require 7.5 times the NA energy than required to manufacture PVC.	
Preservation of natural forest wealth	Excellent	Excellent	Poor
Maintenance	NIL	Power coating.	Require regular painting and polishing.
Durability	Much stronger due to steel reinforcement profile.	Good	Good
Warping	Will not warp, last for a life time.	Can warp.	Can Warp



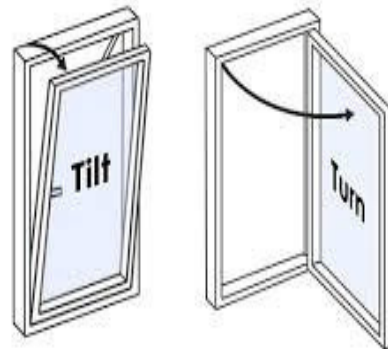
Types of windows

1. Casement Windows



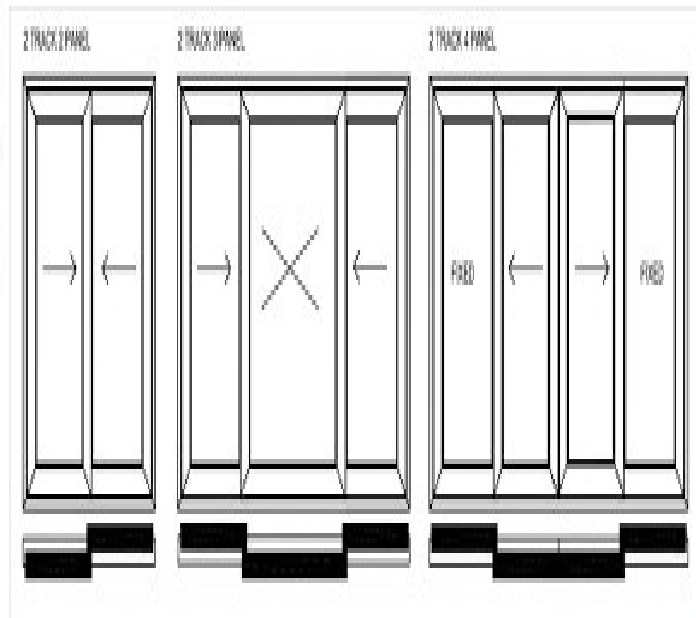
Graceful styling and high tech engineering make casement windows a popular choice jamb hinge allow the windows to completely open out and inward for maximum ventilation.

2. Tilt and Turn Windows



Combine functionality with security. All functions are easily operated its smooth, its easy, its safe the multipoint locking the tilt and turn hardware allows the window to open completely inward or open from top for ventilation purpose and door clear exit in emergency.

3. Sliding Windows



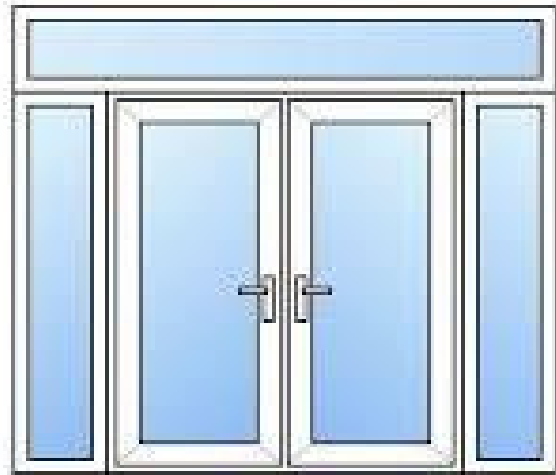
The classic design that will suit most architectural style the operating sash slides on adjustable nylon rollers along an aluminum track sliding windows are available in 2 & 3 tracks systems.

4. Top Hung windows/Upper hung Windows



Top hung windows fresh air to ventilate easily. Universal top hung friction hinges incorporate the latest design end cap technology.

5. French Windows



Casement windows with one or more sashes. Typically they refer to big windows that can also serve as door. French windows and doors also give maximum sunlight and ventilation since there are two sashes instead of one. When open, they give an enhanced feeling of openness.

6. Bay Windows



Bay windows and combinations windows are available in different sizes and designs for your homes and offices. We can easily install bay window in large rooms. The windows used to increase the flow of natural lights into the building room as well as provide great views of the outside that would be unavailable with an ordinary window.



Types of doors

1. Casement door



The casement door opens inwards or outwards with the help of a sash that is fixed on outer frame. The design can vary from fixed, side hung or top hung.

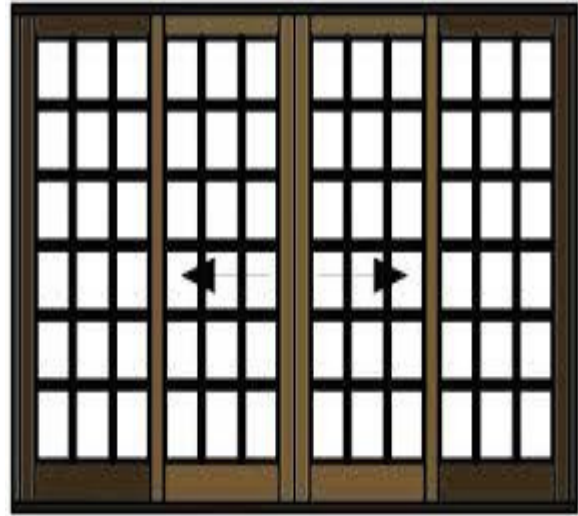
Advantages-(A) Double sealing with EPDM gaskets for enhanced thermal and sound insulation and a barrier against dust and pollution. (B) Allows more light to enter the door compared to a slider. Offer an unobstructed view. (C) Open outside or inside: both options available. (D) High quality hardware does not rust despite sustained exposure to the elements.

2. French door



French doors are custom-sized and can fit any opening though they typically lead to the home into a balcony; we also offer them for bedroom doors often. French doors also give maximum sunlight and ventilation since there are two sashes instead of one. When open they give enhanced feeling of openness.

3. Sliding door



The sliding door is made up of two (or more) sashes that slide horizontally, to the left or right, on tracks. The doors can be made wider and taller with the addition of sashes. The track on which the sashes slide is raised slightly above the ground, preventing dust from setting in the track. The dust-free track ensures a far smoother sliding motion when compared to conventional sliders.

4. Fold and slide



Fold and slide effortlessly are smooth, sliding and beautifully impressive. Folding doors create a vast amount of unimaginable space along with inviting character and comforting glass wall ambiance to any ordinary room.

5. Lift and slide



We naturally supply all type of sliding doors. Our lift and slide door has been a highly sought after product for installation in the place of picture windows for several years. The doors have a very low sill which also offer disabled friendly access. Air tightness is naturally a key requisite for the manufacture of a product which is to be used in a passive house. The lift and slide doors have also passed the required tests concerning heat transfer and air tightness.



Types of screen

1. Sliding screen

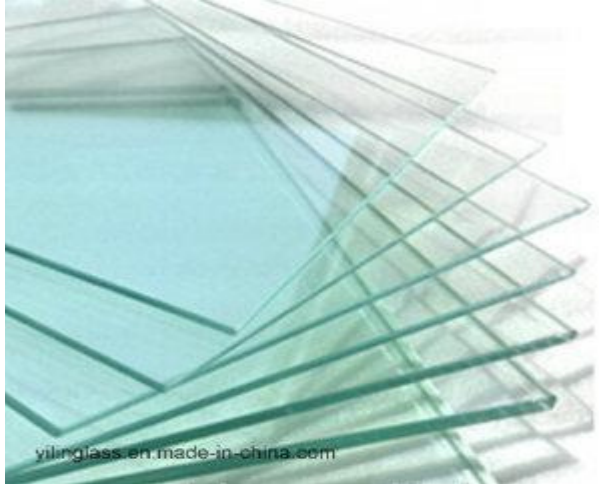


Extend when you need it, retract when you don't. The unique plated screening system offers a functional and decorative protection against insects.



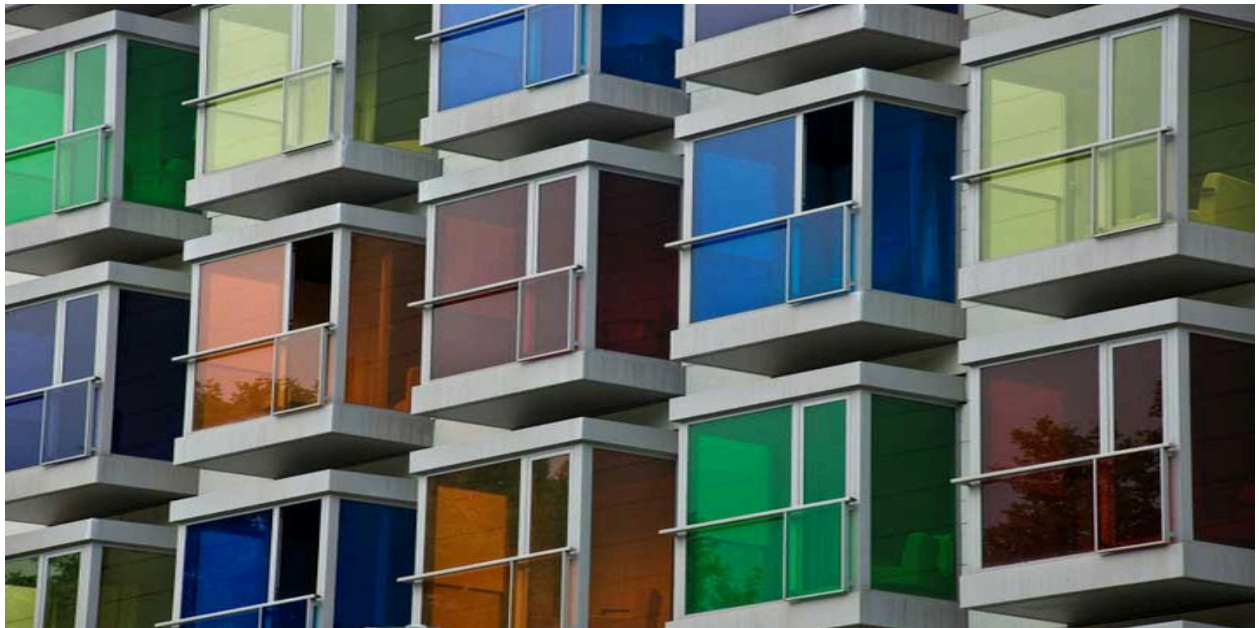
Types of glass

1. Float / annealed glass



Standard flat glass which is generally used in where there is not much requirement of thermal/sound/safety.

2. Tinted float glass



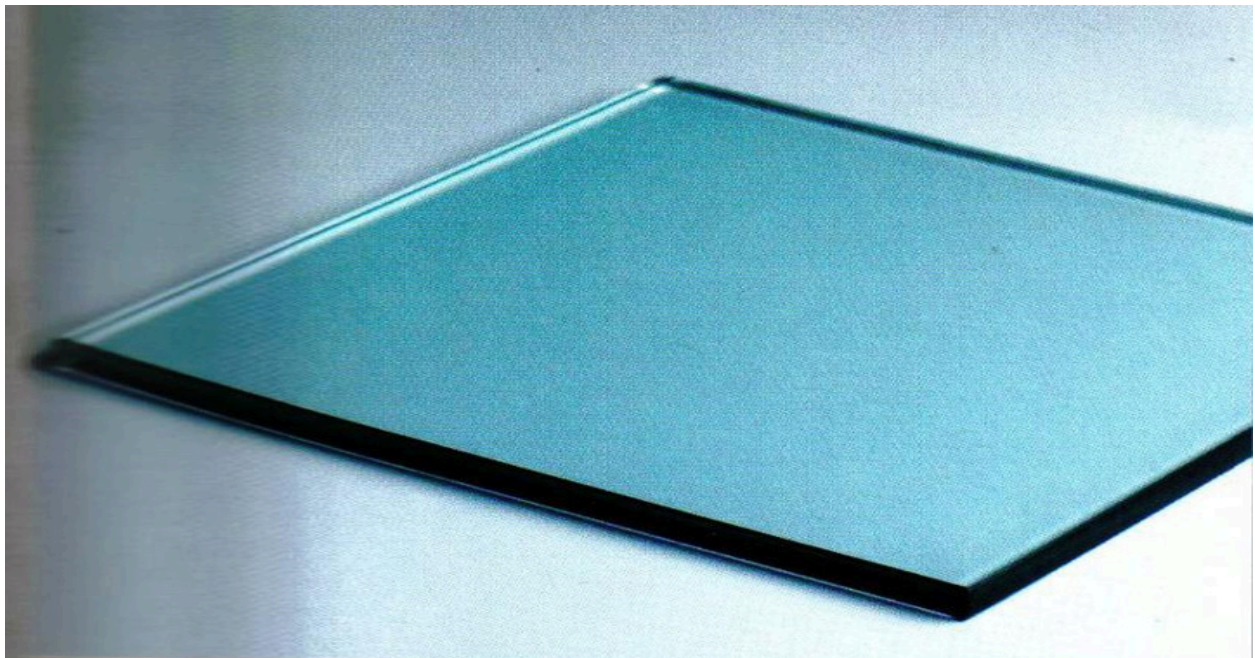
Standard float glass but pigmented in various colors for typically absorb solar radiation & thermal insulation.

3. Reflective float glass



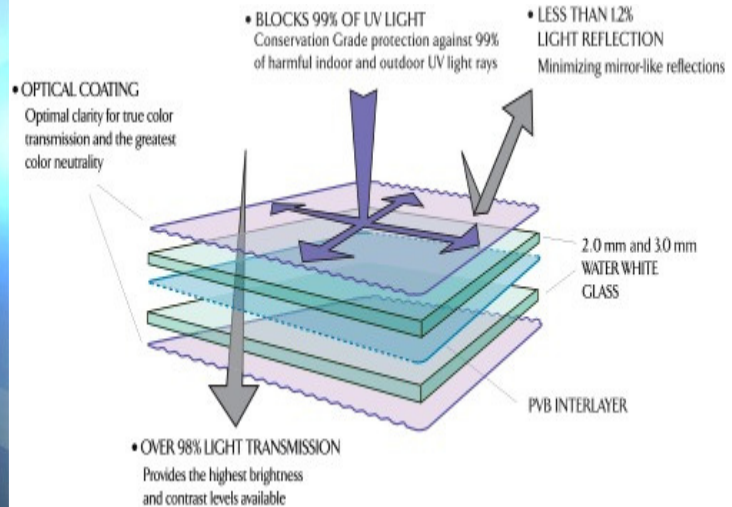
Metallic coated glass, better than tinted glass, in the day time it ensures minimum visibility from the outside.

4. Tempered/ toughened glass



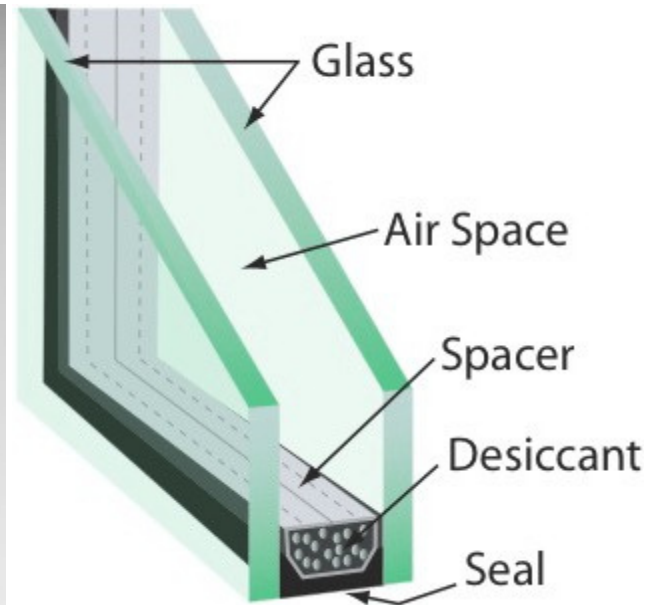
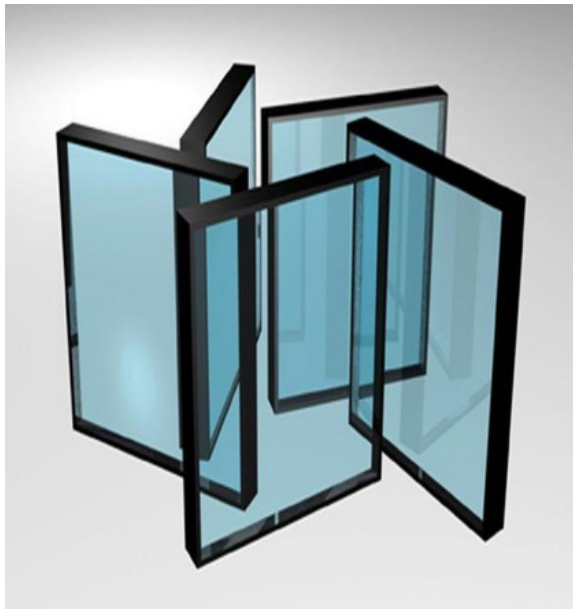
Tempered glass stronger than the normal glass, when broken shatter into small piece like automotive glass.

5. Laminated/ security glass



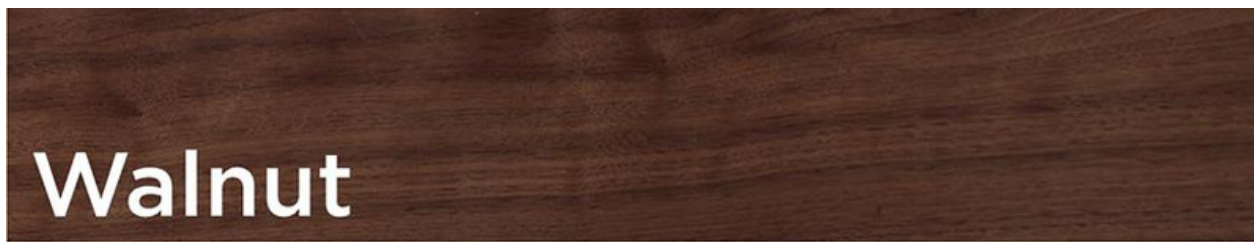
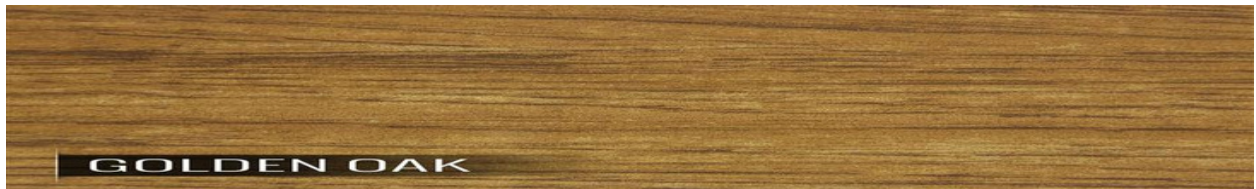
Two glass sheets are sandwiched together with layers of PVB plastic it is called laminated glass. It makes the glass much stronger and prevents easy breakage. Due to PVB layers the glass does not shatter when it breaks.

6. Insulated glass (DGU/ TGU)



In DGU (Double glass unit) 2 or 3 sheets of toughened glass separated by a dry air-space and sealed from the edges. It helps conserving room temperature in all seasons saving air-conditioning as well as heating costs. It also provides excellent sound barrier.

Upvc Available Laminations-







Sunshine uPVC Windows

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