

# Window Solutions

uPVC/Alu Windows & Doors



Let Nature  
Be your COMPANION

uPVC | Windows & Doors Solution

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## Why uPVC Doors & Windows ?

Sincerity, Quality and after Sales Service are the main attribute which we offer to our customers.

S.No	Description	Wood	Aluminium	Window Solutions uPVC
1	High Impact Resistance	No	No	Yes
2	Unaffected by Temperature	No	No	Yes
3	Corrosion Resistance	Yes	No	Yes
4	Resistance to Exhaust Fumes and Building Industry Chemicals	No	No	Yes
5	Aging Resistance	No	No	Yes
6	Sea Water Resistance	No	No	Yes
7	Protective Painting or Polishing Required	Yes	Yes	No
8	High Insulation Qualities	Yes	No	Yes
9	Good Sound Dampening	No	No	Yes
10	Wind Proof	No	No	Yes
11	No Condensation or Thermal Expansion	No	No	Yes
12	Can be Formed into Aesthetically Pleasing Shapes	Yes	No	Yes
13	Can be used in most Varied Climatic Conditions	No	No	Yes
14	Qualities and Appearance are Stable even after years of external use	No	No	Yes
15	Ecologically sound as it is practically 100% recyclable	No	No	Yes

Window Solutions offers its customers a complete lifestyle solution to their need.

At Window Solutions we have a strong team of experts working together, to produce high quality products by embracing the latest know-how available. Our personnel are well experienced and have a sound technical knowledge, which help us to deliver the finest products.

Window Solutions uPVC Windows and uPVC Doors systems are fabricated in state-of-the-art facility with advanced fully-automated machines integrated with proven technology to achieve all the technical advantages & get number of unmatched benefits. At the same time maintaining very high quality standards.

Window Solutions uPVC Windows and Doors systems are made of the top quality uPVC material. It is designed and manufactured with international standards, which assure that it can work under the temperature ranging from -50 °C to 70 °C with lifetime more than 30 years.



### What is uPVC ?

- uPVC - Un-plasticized polyvinyl chloride.
- Very strong plastic used for making window and door frames
- Wide range of colours, wooden finishes and other textures.

**Maintenance & Termite free :**

Window Solutions uPVC windows and doors systems are maintenance free. uPVC does not react to acids, alkalis, waste gases, water and salts. Unlike conventional wooden windows, uPVC windows do not require coat of painting, polishing and termite treatment. It does not deteriorate, corrode or warp in humid and harsh climate. Our doors and windows retain its flawless finish for years with just routine cleaning with regular cleaning agent and water.



**Customization :**

Window Solutions uPVC window and door systems offer wide range of design combinations, which are customized to any possible dimension.



**Water Tightness & Wind Resistance :**

Window Solutions uPVC windows and door systems are one of the best for being installed in areas, where these are exposed to strong winds and heavy rain.

uPVC windows and doors profiles absorb less than 0.1% of water. Uniquely designed weep holes and weather strips in the meeting rail provide water proof resistance. Traditional wooden windows shrink and expand as weather changes resulting in gaps that invite rain water and wind. These gaps form between frames leads to whistling and rattling sound. With aluminium windows, rainwater accumulates in the tracks and spills inside if wind pressure is high. Edificio uPVC windows system comes with drainage holes for water flow out. The sealing and special monsoon proof features slog together to block the rain water.



## Fire Resistance :

Window Solutions uPVC materials do not ignite and enhance accidental fires unlike their timber counterparts, in fact they are self-extinguishing. Throughout their product life, the material will not cause, support or enhance the natural development of fire. The profile compound possesses a fire retardant rating according to International standard DIN 4102.



## Longevity :

Window Solutions uPVC profiles maintain excellent inherent material properties. The windows and doors are attractive, perfectly tight and working well even after many years in use. The longevity and superior quality of this material has been conclusively proven over 30 years.



## UV Stable

Ultra violet radiation can damage the painted windows frames, may have cracks in the paint or leave patches of discolouration. Window Solutions uPVC windows & door frames contain UV blend, these luxury windows do not fade & crack when exposed to sunlight. You do not need to polish or paint them to have the protection from UV light.



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## Environment Friendly :

Our UV resistance uPVC windows and doors are ecologically sustainable in many ways

- They are 100% recyclable
- The non-lead stabilizers make the local double glazed noise insulating profile safe for children, save energy and carbon emissions by being thermally efficient.
- Do not contribute to deforestation or alumina smelter pollution.

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## Thermal Insulation

uPVC is poor conductor of heat, neither it retains nor transfer heat indoors. uPVC profile are multi chambered section, assembled with unique double seal system, multi-point locking systems and various options of glass, makes the window perfectly sealed and thereby reduces energy loss. It can save energy upto 30% of energy requirement, be it in summer or winter in form of reduced load on Air Conditioners & Heaters.

## High Acoustic/ Noise Insulation

In urban areas noise could be a big problem to handle. Traditional wooden windows have gaps even when closed. The gaps are a result of flaws in design, construction and installation. Not so with factory made Window Solutions window with double glazing glass combined with uPVC window frame system which can reduce Noise by 80% (-45DB). Our windows and doors are fusion welded, lock at multiple points and double sealed leading to excellent sound insulation.

At Window Solutions unique designs are created by the many advanced quality components such as:

- Superior quality sound insulating draft proof profile with built in resistance to UV radiation and high impact strength.
- Multiple chambers inside both bushfire resistance frame and waterproof cyclone resistance sash for improved insulation against heat and noise.
- Allowing for structural stability through the use of aluminium or steel reinforcement in the central cavity.
- The glazing rebate space allows for 20 mm insulated glass unit with thousands of glass combinations for many applications.



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Some People  
Look for a  
beautiful Place

Others make  
the Place **Beautiful**

A lot more can be done with Window Solutions uPVC Windows & Doors. The right windows in the right place unite space. Old windows do the opposite. They occupy a small area of the wall. As a result, they act as a partition between balconies and rooms.



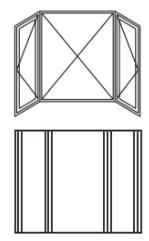
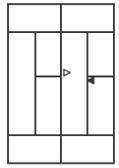
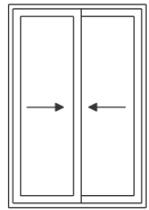
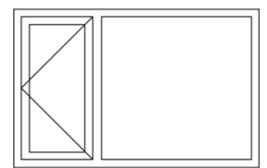
this  
is your  
world.  
shape it  
yourself



# Window Solutions

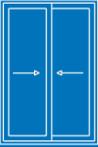
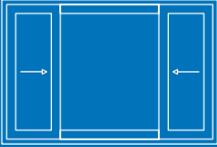
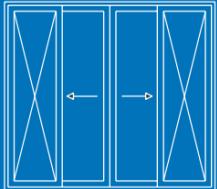
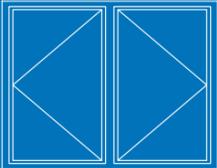
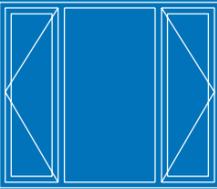
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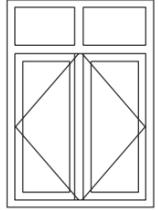
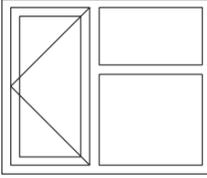
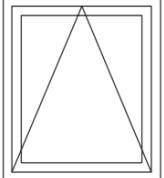
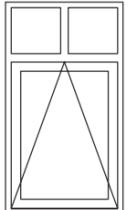
Now One has the Power to Design their own Window...

	Recommended Design	Description	Benefits	Recommended Accessories
MASTER BEDROOM	<p>Villa Bay Window</p> 	<ul style="list-style-type: none"> <li>A combination of two or more casement windows at an angle, joined together with bay poles. Any of the sashes of the window can open</li> </ul>	<ul style="list-style-type: none"> <li>Provides excellent insulation</li> <li>Opens at any angle without stoppers</li> <li>Creates extra space</li> <li>Allows twin benefits of ventilation with an inside openable mesh and security with the help of grills</li> </ul>	<ul style="list-style-type: none"> <li>Mesh (inside openable in villa casements)</li> <li>Integrated Grill for security</li> <li>Window Sill (recommended for regions with moderate rainfall)</li> <li>Toughened glass for security</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
	<p>Sliding window with fixed members at top and bottom</p> 	<ul style="list-style-type: none"> <li>Consists of two movable sliding panels that slide in opposite directions with fixed members on top and / or bottom</li> </ul>	<ul style="list-style-type: none"> <li>Provides floor to ceiling solution even in higher floors</li> <li>Can be fitted with monsoon proof solutions for heavy or moderate rains</li> <li>Can be strengthened with a hurricane bar to withstand strong winds</li> <li>Combination is seamless and within the same plane</li> </ul>	<ul style="list-style-type: none"> <li>Hurricane bar (for additional strength in high rise applications and large sized windows)</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
	<p>Sliding window</p> 	<ul style="list-style-type: none"> <li>Consists of two movable sliding panels that slide in opposite directions</li> </ul>	<ul style="list-style-type: none"> <li>Can be fitted with monsoon proof solutions for heavy or moderate rains</li> <li>Can be strengthened with a hurricane bar to withstand strong winds</li> </ul>	<ul style="list-style-type: none"> <li>Retro fit Mesh that can be removed whenever required</li> <li>Hurricane bar (for additional strength in high rise applications and large sized windows)</li> <li>Monsoon track (for heavy rains)</li> <li>Window Sill (for moderate rains)</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
BEDROOM	<p>Villa casement window</p> 	<ul style="list-style-type: none"> <li>Villa casement window with single sash side hung joined with a bigger fixed portion</li> </ul>	<ul style="list-style-type: none"> <li>Provides excellent insulation</li> <li>Opens at any angle without stoppers</li> <li>Allows twin benefits of ventilation with an inside openable mesh and security with the help of grills</li> </ul>	<ul style="list-style-type: none"> <li>Mesh (inside openable casements)</li> <li>Integrated Grill for security</li> <li>Window Sill (recommended for regions with moderate rainfall)</li> <li>Toughened Glass for security</li> <li>Double Glass for high insulation against noise and heat</li> </ul>

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Recommended Design	Description	Benefits	Recommended Accessories
<p>Sliding Door</p>  	<ul style="list-style-type: none"> <li>Two movable sliding panels that slide in opposite directions</li> </ul>	<ul style="list-style-type: none"> <li>Can be fitted with monsoon proof solutions for heavy or moderate rains</li> <li>Can cover span of entire walls or balconies to provide maximum natural light and excellent view</li> <li>Can be strengthened with a hurricane bar to withstand strong winds</li> </ul>	<ul style="list-style-type: none"> <li>Retro fit Mesh</li> <li>Hurricane bar (for additional strength in high rise applications and large sized windows)</li> <li>Monsoon track (for heavy rains)</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
<p>Slider door with multiple sashes</p> 	<ul style="list-style-type: none"> <li>4 panels on slider track. 2 panels on extreme end are fixed and middle two are sliding</li> </ul>	<ul style="list-style-type: none"> <li>Adds element of style</li> <li>Can be fitted with monsoon proof solutions for heavy or moderate rains.</li> <li>Can cover span of entire walls or balconies to provide maximum natural light and excellent view</li> <li>Can be strengthened with a hurricane bar to withstand strong winds.</li> </ul>	<ul style="list-style-type: none"> <li>Retro fit Mesh</li> <li>Hurricane bar (for additional strength in high rise applications and large sized windows)</li> <li>Monsoon track (for heavy rains)</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
<p>Casement window</p> 	<ul style="list-style-type: none"> <li>Side hung window consists of two openable sashes. Also called French Window</li> </ul>	<ul style="list-style-type: none"> <li>Provide excellent insulation from noise, rain and pollution</li> <li>Opens at any angle without stoppers</li> </ul>	<ul style="list-style-type: none"> <li>Window Sill (recommended for regions with moderate rainfall)</li> <li>Toughened Glass for security</li> <li>Double Glass for high insulation against noise and heat</li> </ul>
<p>Villa Casement window</p> 	<ul style="list-style-type: none"> <li>Villa casement window with two openable sashes joined with a bigger fixed portion in center Sliding Door</li> </ul>	<ul style="list-style-type: none"> <li>Provides excellent insulation</li> <li>Opens at any angle without stoppers</li> <li>Allows twin benefits of ventilation with an inside openable mesh and security with the help of grills</li> </ul>	<ul style="list-style-type: none"> <li>Mesh (inside openable in villa casements)</li> <li>Integrated Grill for security</li> <li>Toughened glass for security</li> <li>Double Glass for high insulation against noise and heat</li> </ul>

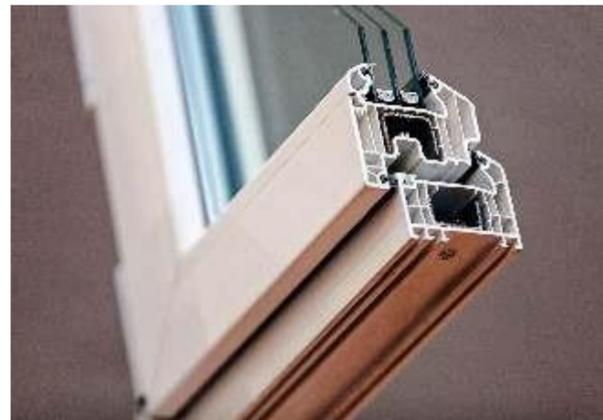
Recommended Design	Description	Benefits	Recommended Accessories
<p>Casement window</p> 	<ul style="list-style-type: none"> <li>Twin sash side hung window with fixed portion on top</li> </ul>	<ul style="list-style-type: none"> <li>Enables ventilation</li> <li>Allows exhaust fan to be fitted</li> <li>Allows light</li> </ul>	<ul style="list-style-type: none"> <li>Mesh</li> <li>Exhaust fan</li> </ul>
<p>Casement window</p> 	<ul style="list-style-type: none"> <li>Single Sash side hung window joined with a bigger fixed portion</li> </ul>	<ul style="list-style-type: none"> <li>Enables ventilation</li> <li>Allows exhaust fan to be fitted</li> <li>Allows light</li> </ul>	<ul style="list-style-type: none"> <li>Mesh</li> <li>Exhaust fan</li> </ul>
<p>Top hung window</p> 	<ul style="list-style-type: none"> <li>Sash hinged on top and opens outside like a ventilator</li> </ul>	<ul style="list-style-type: none"> <li>Enables ventilation, allows light</li> <li>Enables fitting of Louvers and Exhaust</li> </ul>	<ul style="list-style-type: none"> <li>Louvers</li> <li>Frosted glass</li> <li>Exhaust fan</li> </ul>
<p>Top hung windows with louvers</p> 	<ul style="list-style-type: none"> <li>Outer frame of uPVC fitted with Louvers in place of glass</li> <li>Louvers can be of PVC (both movable and fixed) and glass (only fixed)</li> </ul>	<ul style="list-style-type: none"> <li>Enables ventilation, allows light</li> <li>Enables fitting of Louvers and Exhaust</li> </ul>	<ul style="list-style-type: none"> <li>Louvers</li> <li>Frosted glass</li> <li>Exhaust fan</li> </ul>



## Which Glass one should go for

The complete efficiency & functionality of a window depend upon the type of the glass used. There are different options available such as single, double glazed, triple glazed & smart glass.

Among the different option mentioned above various permutations & combinations are possible depending upon requirement. One can use the tables below to make a choice .



Glass Type	Heat Insulation	Sunlight
Clear	•	••
Tinted	••	••
Reflective	••	•
Low E	•••	•••

The above glasses are available in different strength as mentioned below.

Glass by Strength	Security from Break-in
Annealed	•
Heat Strengthened	••
Toughened	••
Laminated	•••



## Pick and choose lock handles ?

You can. While each multiple -point locking system both airtight sealing and security, it also adds aesthetic value. Several imported lock designs are available for both slider and casement windows. Choose the one that matches both the window finish and the decor.

	White	Chrome	Black	Champagne Gold
Casement Window: Multiple point lock				
Casement Door: Multiple point lock				
Slider Window: Single point lock				
Slider Window and Door: Multiple point lock				
Slider Door: D Handle - Multiple point lock				



# Window Solutions

— uPVC/Alu Windows & Doors —

The Lifestyle Solutions

## WINDOW SOLUTIONS

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