

*Shine Windows*  
UPVC WINDOORS SOLUTION

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## Company Profile



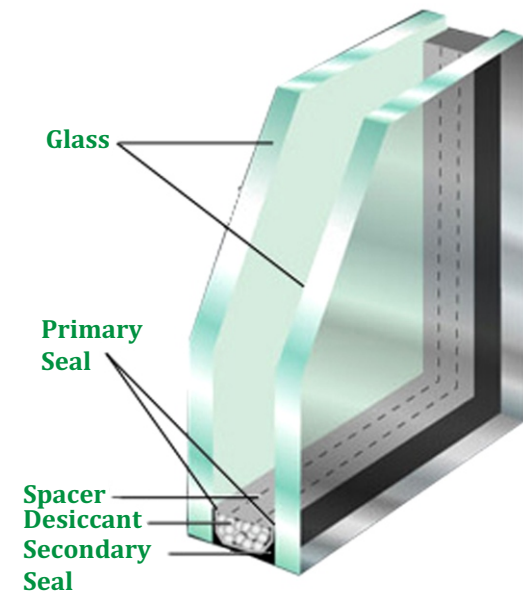
*Shine Windows is a total window solutions provider, specializing in the design, advisory service, installation and service of precision made to order UPVC window systems. If you have a project, both new and old: our experts at Shine Windows would be happy to carry out a study for one or even several of our models and find the best techno commercial solution as the performance of window not just depends upon frame material but also glass, window sealing and bonding to the building.*



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### Important Glass Types

Glass covers more than 90% of the window area and can add special features to a window. The right glass can provide insulation from direct sun, heat and sound. Double and triple glass windows improve thermal and sound insulation. Choose from Float, Double Glazed, Toughened, Laminated, Triple Glazed or a combination of these. For instance: Double Glass windows can be a combination of reflective glass (out side) and normal glass (inside).



### Special Hardware

High quality hardware improves window performance. Slider and Casements use different types of hardware.

### Hardware for Casement Windows & Doors

- Friction Hinge : Keeps on open window in place in the face of strong winds
- Espagrod : Multiple point locking for window & Three point locking for Doors for security and sealing
- Hinges : 2D Hinges for windows & 3D Hinges for Doors
- Handle : With key and without key



### Hardware for Slider Windows

- Wool pile : Absorbs dust
- Aluminum track : For smooth movement of sliding panels
- Rollers : Capable of handling heavy panel
- Interlock : For added security increased window strength

### Colors & Finish

- Rich wooden finish & paint options available.
- The paint are specially made for uPVC. The process of chemical bonding for paint and uPVC ensures that each window retains its shine for many years.

### Shades





Fold & Slide

Effortlessly smooth gliding and beautifully impressive folding doors create a vast amount of unimaginable space along with inviting contemporary character and comforting glass wall ambiance to any ordinary room.

Unlimited opening width:

Light, air and freedom of movement as you wish. Folding-slide elements open rooms in most elegant and efficient manner. By means of Fold-slide doors and windows, a room can be opened up through its entire width to the outdoors, and due to their accordion-style fold-up, the panels can be entirely moved out of sight. Fold-slide opening systems are the ideal choice for opening up a room to the outdoors “indoor-outdoor living”.



Lift & Slide

Lift & Slide Doors of tremendous size can be opened and closed with the touch of a finger. One single operating handle activates a special hardware system that first “lifts” the sliding door from a whether tight position than “slides” with ease on rollers and tracks at the head and sill.



Complete freedom of movement

Enjoy maximum comfort due to many high-quality fitting details. Even large and heavy lift-side-elements can be easily opened and closed without much effort. Very easy to operate up to 400 kg sash weight.

Complete freedom of movement

Properties	Aluminium	Wood	uPVC
Installation	Fair	Fair	Easy & Excellent
Maintenance	Power Coating	Painting / Polishing	No Painting Required
Aesthetics	Poor	Good	Modern & Elegant
Durability	Fair	Warpage/Shirnkage	Excellent
Thermal Conductivity	High	Fair	Zero Conductivity
Acoustic Insulation	Poor	Fair	Sound Proof (Multi Chamber)
Corrosion Resistant	No	No	Yes
Safety	Good	Poor	Excellent
Cost	Fair	Expensive	Affordable in Long Term
Ecological as it is practically 100% recyclable	Yes	No	Yes

What is UPVC?

UPVC (Unplastisized Poly Vinyl Chloride) is based on rigid PVC (Poly Vinyl Chloride) material. The process of making the profile start in the form of powder mixed and blended homogeneously with all necessary additives for high impact UV to form a compound that meets all required properties.

The compound is then fed in molten form into mould designed according to the different sizes and specifications of profiles. Once this process is finished, the extruded profile is calibrated through special units. Then it is cooled to form the final UPVC profile to be used in the fabrication of the window and door.

Advantages of UPVC Doors and Windows:



**Efficient Thermal Insulation:**

No matter in which climate windows and doors are installed they contribute to a cosy and comfortable atmosphere in your home. As the design prevents thermal bridging, the thermal insulating performance of the finished windows is exceptionally good.



**Termite Resistance:**

In tropical climate wooden windows and doors are often destroyed by termites, whereas UPVC window and door system are fully resistant to these insects. Thanks to the highly developed compound of UPVC windows and doors, termites are not able to attack UPVC profiles.



**Maximum Wind Resistance:**

Due to their excellent material properties, UPVC windows and door system are ideal for being installed in buildings close to see where they are permanently exposed to strong wind, heavy rain and salty air.



**Material and Structural Performance:**

The longevity and superior quality of this material has been conclusively proved for almost 40 years. UPVC material compound performs to worldwide standards for strength, durability, heat stability, colour retention and termite resistance.



**Behaviour in Case of Fire:**

Fire tests have shown that UPVC material, being naturally flame retardant throughout their product life, will not cause, support or enhance the development of accidental fire, unlike timber windows, the UPVC sections do not support combustion and are in fact self extinguishing.



**Electricity Insulation:**

UPVC has high electric insulation which exceeds 1015 ohms-cm. It is absolutely safe from electrical conductivity and maintenance free.



## Types of Window & Door

Fixed, Inward & Outward Casement Window, French Window, Tilt & Turn Window, Top Hung Window, Inward & Outward Casement Door, French Door, Sliding Window, Horizontal Slider, Sliding Door, Combination Window & Door, Lift & Slide, Fold & Slide, Arched Window, Entrance Door



## Casement Window

Graceful styling and high-tech engineering make casement windows a popular choice. Jamb hinges allow the window to completely open outward for maximum ventilation and possible egress. The window opens inwards or outwards from the side or the top. Ideal for homes that need protection from noise, dust and pollution.

## Tilt & Turn Window

Tilt & Turn windows combine functionality with security. All functions are one handed, one move operated. It's smooth, it's easy and it's safe. The multipoint locking mechanisms also keep the sash/frame from twisting or bending. Your Tilt & Turn windows and doors will therefore be kept straight and functional for many years to come. Unlike traditional window, the Tilt & Turn hardware allows the window to open completely for a clear exit in an emergency.

## Sliding Window

Shine Windows UPVC sliding window is both functional and durable. The ultimate low maintenance window style due to few moving parts, the sliding window is a classic design that will suit most architectural styles. The operating sash slides on adjustable minimal friction nylon rollers, along an aluminum track, providing a smooth opening and closing action. Fully weather sealed around the frame to minimize draughts, dust and water intrusion, sliding windows feature interlocking sashes for increased window strength.

## Top Hung Window

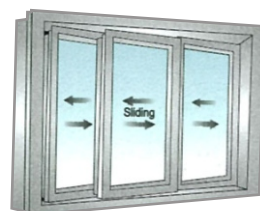
TOP HUNG allows fresh air to ventilate easily. Universal TOP HUNG friction hinges incorporate the latest design and cap technology. The stay pulley in tightly and securely to the window sash to produce a good strong seal against the elements.

## Doors

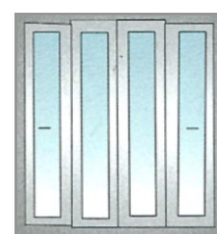
To complement the Shine Windows range of Upvc window systems, we have developed a selection of high-quality, secure and attractive door systems suitable for every new build or replacement project. Using the same advanced profile systems as our window products for complete compatibility, Shine Windows doors offer the same benefits of strength, thermal efficiency and ease of installation. Whether you need stylish, secure composite or Upvc entrance doors. Shine Windows offers eye-catching, easy to install, low maintenance systems to suit your needs.



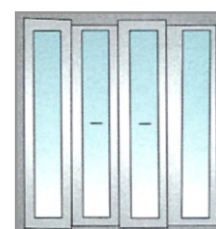
2 Track Window



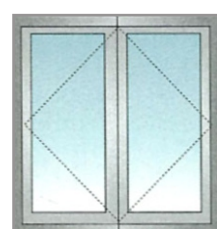
3 Track Window



Horizontal Slider



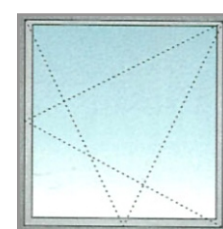
Horizontal Slider



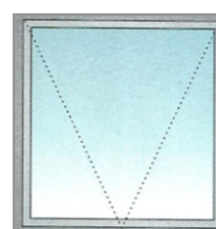
French Window



Casement Window



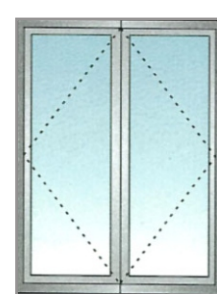
Tilt & Turn Window



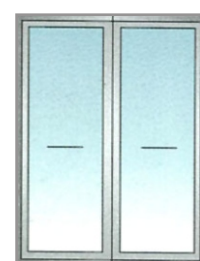
Top Hung Window



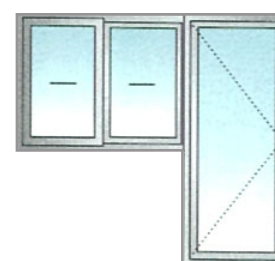
Casement Door Inward



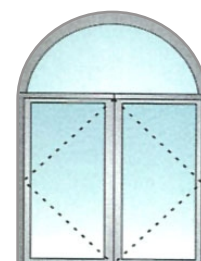
French Door



Sliding Door



Combination Window



Arched Window