

Window & Door styles

Data Sheet v1

Window Styles

The basic function of windows is to admit daylight and ventilation in acceptable and consistent quantities, while maintaining the ambient temperature inside the house.

Awning Window

Description: A window hinged along the top horizontal edge and the bottom opens outwards.

Main feature: Ideal for ventilation during inclement weather.



Casement Window

Description: A window hinged along a vertical edge and opens outwards from the opposite side.

Main feature: Has the largest opening ventilation area relative to the total window opening.



Double Hung Window

Description: A window with two vertically sliding sashes which slide past each other in a single frame.

Main feature: Can open top, bottom or both sashes to capture ventilation. Can open and lock top sash only for increased security while ventilating.



Fixed Window

Description: A window with a frame and glass that does not open.

Main feature: Allows in daylight.



Sliding Window

Description: A window with two or more sashes, which slide past each other horizontally within the frame.

Main feature: Takes limited wall space and is the most adaptable configuration to almost any size wall.



Window Style Features	Awning	Casement	Double Hung	Fixed	Sliding
Design and operation – the window has few mechanical moving parts (hinges, brackets, handles, winders, locks, etc).	✓✓	✓	✓✓	✓✓✓✓	✓✓✓
Ease of exit – the ability to use the window as an escape route in case of emergency.	✓	✓✓✓✓	✓✓✓	X	✓
Insulation – how well the window is able to seal when closed.	✓✓✓✓	✓✓✓✓	✓	✓✓✓✓	✓
Limited protrusion – whether when open the window protrudes externally from the building line.	✓✓	✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
Relative cost – assuming equivalent size and glass specification, a high rank implies the most cost efficient.	✓✓	✓	✓✓	✓✓✓✓	✓✓✓
Safety – the ability to prevent falling through an open window.	✓✓✓✓	✓	✓✓	X	✓
Security (open) – the ability to gain access from the outside when open (assumes no security devices are fitted).	✓	✓	✓✓✓	X	✓✓
Security (closed) – the ability to gain access from the outside when closed (assumes no security devices are fitted).	✓✓✓	✓✓✓	✓✓	✓✓✓✓	✓✓
Ventilation – the ability to get air flow into a room.	✓	✓✓✓✓	✓✓✓	X	✓✓
Ventilation (directional) – the ability to direct air flow in a particular direction.	X	✓✓✓✓	✓	X	X
Ventilation (inclement) – the ability to get air flow into a room while it is raining.	✓✓✓✓	X	✓✓	X	✓
Vision – the number of frame components in the face of the total window opening, a high rank indicating few components or the best visibility.	✓✓✓✓	✓✓✓	✓✓	✓✓✓✓	✓
Legend X Feature not available ✓ Basic ✓✓ Good ✓✓✓ Better ✓✓✓✓ Best					

Door Styles

The basic function of doors is to provide entry and exit access to the house.

Hinged Door

Description: A door hinged on either the left or the right; can open either inwards or outwards; can be single or a pair.

Main feature: The simplest door style; can be easily sealed from wind and water penetration.



Bi-folding Door

Description: A door comprising a series of between 2 to 7 door panels, alternately hinged so that they fold onto themselves.

Main feature: Creates a seamless inside-to-outside transition through the maximum opening possible.



Sliding Door

Description: A door comprising one door panel which slides past another fixed panel horizontally within the frame.

Main feature: Flexible and adaptive style to suit most openings and can be easily flyscreened.



Stacking Door

Description: A sliding door with two sliding panels and one fixed panel. Available in either 3 or 6 panel doors.

Main feature: Creates a large opening from inside to outside that can be easily flyscreened.

Door Style Features	Bi-Fold	Hinged	Sliding	Stacking
Design and operation – the door has few mechanical moving parts (hinges, brackets, handles, winders, locks, etc).	✓	✓✓✓✓	✓✓✓	✓✓
Insulation – how well the door is able to seal when closed.	✓✓	✓✓✓✓	✓	✓
Keep insect out – whether the door can be fitted with an integrated insect screen.	✓	✓✓✓	✓✓✓✓	✓✓✓
Limited protrusion – whether when open the door protrudes internally or externally from the building line.	✓	✓	✓✓✓✓	✓✓✓✓
Maximum door opening – the ability to open the door the full size of the frame opening.	✓✓✓✓	✓✓✓	✓	✓✓
Relative cost – assuming equivalent size and glass specification, a high rank implies the most cost efficient.	✓	✓✓	✓✓✓✓	✓✓✓
Security (open) – the ability to gain access from the outside when open, a high rank indicates being able to fit a supplementary security screen.	✗	✓✓✓✓	✓✓✓	✓
Security (closed) – the ability to gain access from the outside when closed (assumes no security devices are fitted).	✓✓	✓✓✓✓	✓✓✓	✓✓
Ventilation – the ability to get air flow into a room.	✓✓✓✓	✓✓	✓	✓✓✓
Vision – the number of frame components in the face of the total door opening, a high rank indicating few components or the best visibility.	✓	✓✓	✓✓✓	✓✓✓
Legend ✗ Feature not available ✓ Basic ✓✓ Good ✓✓✓ Better ✓✓✓✓ Best				



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