



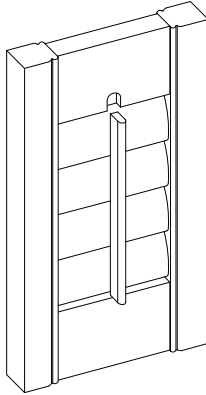
Shutters



SPECIFICATIONS

Shutters - Introduction

Opening Window:



Window Treatments' traditional European styled shutters includes both interior shutters (used on the inside of a house or building) and exterior shutters (used on the outside of a structure). Depending on your application, shutters can be constructed from either Basswood, Cedar, Aluminium or PVC.

Shutters may be used for a variety of reasons: visibility and airflow, including controlling the amount of sunlight that enters a room, to provide privacy, security and to enhance the aesthetics of a building or terrace access adding to the practicality and mood of any interior or exterior.

Shutters can be either fixed permanently in place, hinged, bi-fold or sliding and come with various types of hardware and tracking systems. Depending on your requirements, shutters can be fitted inside or outside of the window opening and can be supplied with various types of frames (Z, L, T, rectangle or square). Shutters can be configured in a single tier unit that has one shutter top to bottom of a window opening as well as multiple tiers. Multiple tier units feature separate shutters on each tier which allows the top shutters to be opened independently from the bottom shutters. Café type shutters refers to shutters

that only cover the lower portion of a window. Full height shutters are made with a horizontal divider (mid-rail) which separates the upper and lower portions of the shutter. With operable louvred shutters this gives greater control as the louvres above the mid-rail can be operated independently from the louvres below the mid-rail.

Window Treatments' shutters consist of a frame of vertical stiles and horizontal rails (top, middle and bottom). Set within this frame, louvres can be adjustable or fixed within the shutter frame. Full height shutters are made with a mid-rail which separates the upper and lower portions of the shutter.

Subject to the Shutter type, tilt control options for adjusting the louvre position include: a Tilt Rod positioned on the front of the shutter, a Clear View Tilt Rod positioned at one side at the back of the shutter, or a Concealed Tilt Mechanism hidden inside one of the stiles (rack and pinion system).

Quick Glance

| Type | | Basswood | Cedar | Aluminium | PVC |
|---------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Louvres | Louvre Size | 47.6mm (aerofoil only), 64mm, 89mm, 114mm (aerofoil & flat blade) | 68mm, 90mm | 89mm | 64mm, 89mm, 114mm |
| Tilt Bar | Tilt Bar Position Clear View Concealed Tilt Mechanism | Centre, Left or Right Yes Yes | Centre, Left or Right Yes No | N/A Yes No | Centre, Left or Right Yes Yes |
| Style | Hinged Bi-fold Straight Sliding Fixed Louvres (ventilated) Fixed Louvres (non-ventilated) Special Shape Shutters | Yes Yes Yes Yes Yes Yes | Yes Yes Yes Yes Yes Yes | Yes Yes Yes Yes Yes No | Yes Yes Yes Yes Yes No |
| Stile Options | Square Rabbet D-mould | Yes Yes Yes | Yes Yes Yes | Yes No Yes | Yes Yes Yes |
| Hardware | Tracking Systems Hardware | Yes Yes | Yes Yes | Yes Yes | Yes Yes |
| Frame Options | Stiles Mid-rail Light Stop Hang Strips L Frames Z Frames T Post U Channel Corner Post Bay Window Post | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | Yes Yes Yes Yes Yes Painted Only Yes Painted Only Painted Only Yes | Yes Yes *Yes - constructed from Basswood No Yes No Yes Yes *Yes - constructed from Basswood *Yes - constructed from Basswood | Yes Yes *Yes - constructed from Basswood *Yes - constructed from Basswood Yes Yes Yes *Yes - constructed from Basswood *Yes - constructed from Basswood *Yes - constructed from Basswood |
| Finish | Stained Oiled Lacquered Painted Powder coated | Yes No No Yes, Stnd colours or custom No | No Yes Yes Yes, Stnd colours or custom No | No No No No Yes, Stnd colours only | No No No Yes, Stnd colours or custom No |

Shutters - Material Type, Finishes, Louvre Size,

Material Type

Window Treatments' Shutter range is available in Aluminium, PVC and two types of wood, Basswood and Cedar both of which come from sustainable forests and are renowned as the most durable hardwood and softwood timbers for manufacturing shutters (this is due to their resistance to warping, fine grains, durability and acceptance of a variety of finishes).

| Basswood Overview | Cedar Overview |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basswood is a hardwood, durable and lightweight. The characteristics are a fine straight grain material with an even texture, consistent colour and low resin content. Basswood has good finishing properties, accepts oil-based paint and exterior stain for longer finishes. | Cedar is an exceptional wood with many characteristics. Cedar is recognized for its natural beauty and physical properties such as its distinguishing aroma, rich colour, durability, insulating properties, workability and acoustics. Cedar has exceptionally good finishing properties, accepts exterior paint, lacquer and oil. Gives long service with little maintenance and is ideal around moist areas. |
| Aluminium Overview | PVC Overview |
| The hard wearing powder coated Aluminium shutter can be used internally, but is particularly suited for external applications. A range of standard colours are available or if requested aluminium shutters can be painted to match any Resene colour from the Resene chart. | PVC shutters look like our wooden shutters but offer a longer life span and a more affordable price tag. Will not absorb moisture, delaminate, split, crack and are excellent for kitchens and bathrooms where moisture may be a problem. |

Finishes

Basswood comes in a range of standard stain and painted colour options or custom colour of your choice. PVC comes in Standard paint colours or can be custom painted. Aluminium is available in standard powder coated colours only. Cedar finishes can be oiled, lacquered or painted. Colour on actual shutters may vary slightly from samples provided, due to natural colour variance in the wood species and paint age.

| Finish/Colours | Painted | Stained |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Basswood | White-101, Snow-105, Swiss Coffee-107, Creamy-110, Butter-120, Super White-130, Pearl White-131, Egg-shell-132, Pearl-133, Bristle Half-134, Antique White-136, White On White-137, Black-020 | Nature-200, Oak-205, Rose-216, Mahogany-220, Black Walnut-230, Desert-252, Ash-253, Gumnut-254, Maple-256, Coffee Bean-258 |
| PVC | White-101, Snow-105, Swiss Coffee-107, Creamy-110, Butter-120, Super White-130, Pearl White-131, Egg-shell-132, Pearl-133, Bristle Half-134, Antique White-136, White On White-137, Black-020 or custom painted to any Colour | N/A |
| Aluminium - (Powder Coated) | Pearl White-PC-1, Birch-PC-B-2, Black-PC-B-3, Silver-PC-B-4 | N/A |

| Finish/Colours | Lacquered | Oiled | Painted |
|----------------|----------------------------------------------|----------------------------------------------|-----------------------------------------|
| Cedar | Light to Medium Medium to Dark Natural | Light to Medium Medium to Dark Natural | Colour match to any Resene Colour Chart |

Louvre Size and Tensioning Screw

Various size louvres are available with a choice of two profiles. The first is elliptical in shape, sculptured where the louvre is thicker in the middle and tapered to the front and back. An elliptical louvre is stronger than the alternative traditional flat 68mm louvre. *For technical data, refer to pages 14, 15, 16, 17, 18, 19, 20, 21.*

For Basswood shutters, we have a unique tensioning screw which is used to adjust the tension of the louvres. This comes into its own specifically for full height shutters where adjusting the tensioning screw allows the movement of louvres with ease. *For technical data, refer to page 18.*

