



***Shutter Concepts***

ALUMINIUM LOUVRE SHUTTERS by  **ZROLL**

Shutter Concepts manufacturing facility is one of the largest of its kind in Australia and we are a proud market leader in quality while making a conscious effort to maintain a competitive price for our Aluminium Louvre's and Screens.

For over 20 years the entire range of Shutter Concepts Louvre's and Screens have been designed, manufactured and produced in Queensland, Australia, using materials sourced within the country. This means we are able to supply the best quality product in the industry with a far shorter turnaround time than our overseas competitors.

Whether for practical reasons or purely as an aesthetic solution Shutter Concepts offer a range of multifunctional products that will enhance any home or business. Application types are wide and varied with a strong emphasis on balcony enclosures, room dividers, window protection and privacy screens.

## FEATURES AND BENEFITS

- Weather Resistant
- Protection From Strong Winds and Flying Debris
- Light and Breeze Control
- Sun Protection and Shading
- Insulation - Energy Savings
- Significantly Reduce Noise
- Street Appeal & Aesthetic Improvement
- Personal Privacy From Neighbours & Prying Eyes
- Increased value of Property
- Security – Protection Against Burglary and Vandalism
- Variety of design options available



## WHAT MAKES SHUTTER CONCEPTS THE BEST?

Shutter Concepts Aluminium Louvre Shutters offer far greater value for money to the Australian market than any other Louvre supplier around the globe. Listed below are a number of features which have made Shutter Concepts renowned for its premium quality and prove our products are superior to other suppliers.

- Over 150 colours available as a standard option at no extra cost.
- Unique frame offers optional Glass Sections and Vertical Blades.
- All blades, frame and other extrusion are 6063 grade aluminium extruded to T5 hardness and meet Australian Standard 2612:1997.
- All fixings are 305/316 marine grade stainless steel.
- All Louvre clips are nylon reinforced glass and incorporate a high grade UV inhibitor.
- The Louvre blades and clip system are rated to withstand loads of 100kg across a 1 metre span; they are the strongest domestic Louvre on the market.
- The blades have been specifically designed and engineered to cope with the severe weather conditions found in Australia and have been developed to minimise noise and movement in high winds.
- All blades and panel frames incorporate a high quality hair felt providing a sealing point that minimises light, wind and rain effect in the closed position.
- Our system is the only one on the market that has a neatly engineered blade lock that can be built into the blades and remain aesthetically pleasing and highly functional.
- Felt (pile) inserts around the outer perimeter of the frame to assist in weather and light exclusion and virtually creating an anti-rattle environment Eliminating metal to metal noise
- Flush bolts that do not sit proud of the frame
- Flush bolts use three different length rods that allow for comfortable operational use by a variety of users.
- Unique blade design that eliminates whistle in the majority of applications Tested to N.A.T.A. Standards to conform to "LESS THAN 40 db of audible noise at 1 metre in the open, 45deg, and in the closed position. In fact the noise level was recorded at 6db
- The strongest Louvre frame and corners in the industry
- An extremely low maintenance pivot system designed to create an effortless sliding shutter, utilising top and bottom tracks, second to none.
- Top hanging system eliminates dirty track and roller problems common to bottom hung systems.
- Only stainless steel fixing components are used during construction and fitting of Shutter Concepts shutters.
- External screws provide tension adjustment to the allow variations to operational tension when opening and closing blades.
- Full custom sizes to fit all situations and balcony sizes.
- Multi tracking configurations allow inflexible design constraints to be overcome.
- Shore fix hinges stop hinge binding.
- Stainless steel hinge pins and nylon bushes reduce squeaking and ease operational friction.
- Our CL90 (cyclone rated) were supplied and installed in the largest single shading contract to be let in Queensland with the Thies Harbour Lights project in Cairns. Since then our shutters can be found in most up market hi rise developments where Louvre's are specified.

# INSTALLATION CHOICES

## FIXED



### TECHNICAL SPECIFICATIONS

Maximum Panel Width	950mm
Maximum Panel Height	3000
Style Options	DLi, CL
Blade Options	90, 150
Blade Orientation Options	Horizontal, Vertical
Panel Filler Options	Glass, Aluminium
Ideal Applications	Window Covering, Privacy Screening, Balcony/Patio Enclosure

A Fixed Panel Louvre offers the simplest form of installation and operation. C channels can be fixed permanently to the top and bottom of the application and the Fixed Panel Louvre then pivots inside the frame work. Flashing will be provided to cover gaps on the left and right of the front and back of the application. H section is also available for joining panels to create strength and stability over multiple panel installation, as well as standoff brackets which offer installation off the window to provide access for ventilation and cleaning.

## BI FOLD



### TECHNICAL SPECIFICATIONS

Maximum Panel Width	800
Maximum Panel Height	3000
Style Options	DLi, CL
Blade Options	90, 150
Blade Orientation Options	Horizontal, Vertical
Panel Filler Options	Glass, Aluminium
Ideal Applications	Balcony/Patio Enclosure, Room Dividers

Bi-fold Louvre shutters provide a versatile option for balcony or patio areas by offering a choice of total enclosure and protection from the elements when in a closed position, yet still maintaining the availability of clearing the opening completely by folding the panels and pushing them to one side. Utilising practical nylon pivots, the panels can concertina either in or out by running along top and bottom tracks which are fixed permanently to the top and bottom of the application.

# INSTALLATION CHOICES

## HINGED



### TECHNICAL SPECIFICATIONS

Maximum Panel Width	800
Maximum Panel Height	3000
Style Options	DLi
Blade Options	90
Blade Orientation Options	Horizontal, Vertical
Panel Filler Options	Glass, Aluminium
Ideal Applications	Interior Openings, Doorways

Hinged Louvre shutters are a practical and aesthetically pleasing choice for both interior and exterior windows and doorways. Available to swing either inwards or outwards, Shutter Concepts Hinged Louvre's can be supplied with L or Z framing to provide a neat finish.

## SLIDING



### TECHNICAL SPECIFICATIONS

Maximum Panel Width	1000
Maximum Panel Height	3000
Style Options	DLi, CL
Blade Options	90, 150
Blade Orientation Options	Horizontal, Vertical
Panel Filler Options	Glass, Aluminium
Ideal Applications	Balcony/Patio Enclosure, Room Dividers

Sliding Louvre shutters are an ideal choice for sun protection and privacy on applications where space around the opening is limited. Utilising practical nylon pivots, the panels can slide left or right by running along top and bottom tracks which are fixed permanently to the top and bottom of the application.

# INSTALLATION CHOICES

## STACKING



### TECHNICAL SPECIFICATIONS

Maximum Panel Width	1000
Maximum Panel Height	3000
Style Options	DLi, CL
Blade Options	90, 150
Blade Orientation Options	Horizontal, Vertical
Panel Filler Options	Glass, Aluminium
Ideal Applications	Balcony/Patio Enclosure, Room Dividers

Stacking Louvre shutters add another dimension to the Sliding installation type. Operation of the panels is the same, however an H section is installed at the end of the tracks which the panels can stack into, providing the option of completely uncovering the opening and storing the panels in a stacked position storing the panels in a stacked position 90 degrees to the opening. Utilising practical nylon pivots, the panels can slide left or right by running along top and bottom tracks which are fixed permanently to the top and bottom of the application.



# STYLES

## DLi



### FEATURES & BENEFITS

- Australian made
- Slim design
- Slimline bottom track
- Ideal for interior applications
- L & Z Frames
- Over 150 standard colours
- Optional 90mm or 150mm blades
- Will never crack, warp or shrink
- Minimal maintenance
- Suitable for wet areas
- Termite proof
- Clean with soap and water

The DLi Louvre shutter utilises a slim 35mm thick panel which offers a more contemporary appearance, making it ideal for use both internally and externally (externally up to 3 storey applications only). This product can be manufactured to comply with Australian balustrade regulations, when mounted on patios or balconies above 4 metres from ground level. To further add to the DLi's internal capabilities, Shutter Concepts designed and produced L and Z Framing as well as a Slimline Bottom Track to avoid tripping hazards, so this product is not only practical but it's also very aesthetically pleasing.

With similar benefits to the traditional CL frame, the DLi offers the choice of horizontal blades above the transom and vertical blades below, all vertical blades, glass panel in the bottom and horizontal in the top, aluminium panel with vertical in the top, basically any combination you can think of.

To top it off, because we save on materials by manufacturing a slimmer design we pass the savings on, which means an extremely competitive price and best value for money in the nation.

# STYLES

CL



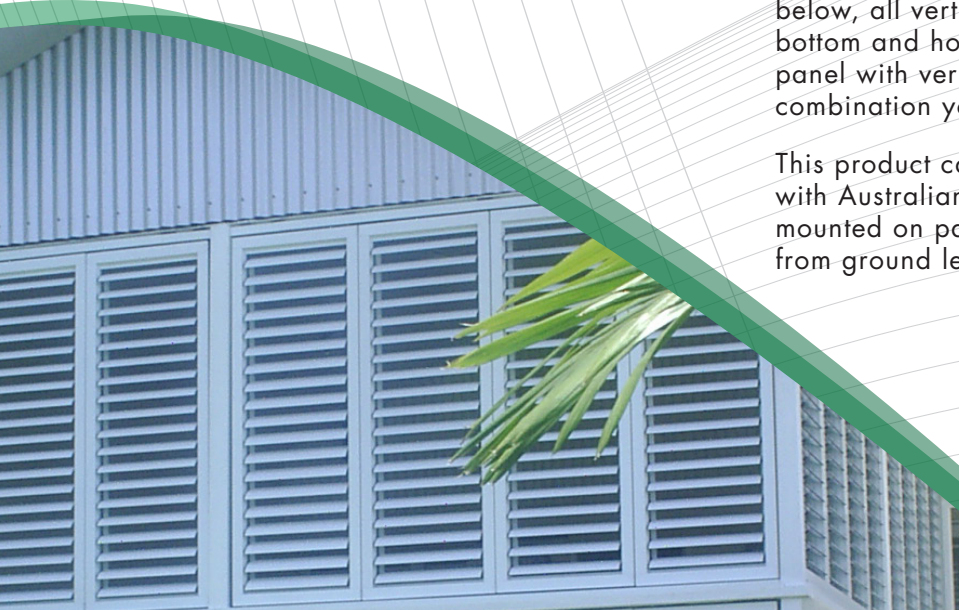
## FEATURES & BENEFITS

- Australian made
- Cyclone Rated
- Strongest product of its kind in the industry
- Years of proven credibility
- Over 150 standard colours
- Optional 90mm or 150mm blades
- Will never crack, warp or shrink
- Minimal maintenance
- Suitable for wet areas
- Termite proof
- Clean with soap and water

The CL Louvre is the first choice when strength and durability is a priority. Created out of necessity to withstand Australia's harsh weather conditions, this product has been installed throughout the Northern Territory and Queensland and has survived Category 3-4 Cyclones in areas where consumers with opposition products were not so lucky. The CL is Cyclone Rated and best suited for multi storey applications (3 storeys and above) and also waterfront applications where exposed to severe weather conditions.

This unique panel design is not only the strongest on the market but also the most versatile, offering the choice of horizontal blades above the transom and vertical blades below, all vertical blades, glass panel in the bottom and horizontal in the top, aluminium panel with vertical in the top, basically any combination you can think of.

This product can be manufactured to comply with Australian balustrade regulations, when mounted on patios or balconies above 4 metres from ground level.



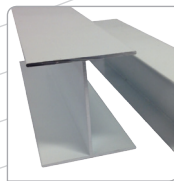


# COMPONENTS



## Blade Locks

Shutter Concepts Blade Lock system is exclusive to our product range, offering a neatly engineered blade lock that can be built into the blades and remain aesthetically pleasing and highly functional as a great security feature, which can be used as a selling point in today's security conscious age.



## H Channel

H Channel is used in between Fixed Panels on a job where multiple Fixed Panels are used on the same opening to provide an attractive and fluent finish.



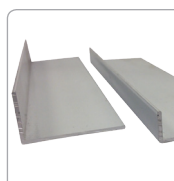
## Lockable Flush Handle

Shutter Concepts Lockable Flush Bolts offer an extra security feature with a design to suit today's modern decor. With an appearance similar to that of a door handle, Lockable Flush Bolts are not overly common and do come at an extra cost compared to the more conventional flush bolt.



## Slimline Bottom Track

The Slimline Bottom Track has a low profile design which is designed to prevent tripping hazards, but not only is it practical, it looks great also. This design also comes with a floating pivot making installation simple even for the most uneven floors or sills.



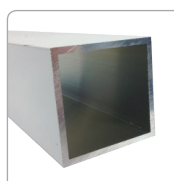
## Trim Angles 40x20 & 40x12

Trim Angles are a standard product supplied with all Fixed Louvre panel applications to cover the sides of the openings.



## Stand Offs

Stand Offs are used externally when a Louvre panel needs to be built off of an opening. There should be an allowance for 1 stand off on every corner of the frame and another placed top and bottom of the screen for every 1200mm.



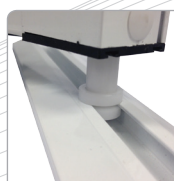
## 50mm x 50mm Box

Colour coded box sections can be provided with any job where fillers or packing is required.



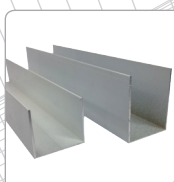
## L & Z Framing With Snap In Cover

Shutter Concepts L & Z framing offers an option to help square an opening, while providing the job with an aesthetically pleasing finish.



## Floating Bottom Pivot

The Floating Bottom Pivot for the DLi90 is the standard pivot supplied for all Bi-fold or sliding applications.



## C Channel Top & Bottom

C Channel is used as a base fixing point for Fixed Panel Louvre's

# MEASURING TIPS

*Tip: The best two tools to carry are a TAPE MEASURE and a CAMERA!!*

## TIP #1

**Is there adequate structural fixing material and support for the track and panels?**

All our products; Bi-fold, sliding and Stacking are supported by the top track so this is critical. If there is not sufficient material there will need to be provisions made for this, for example: support beam or other. Should you have an issue like this, please contact Ozroll with as many details on the opening as possible, most applications have a simple solution there is no need to panic.

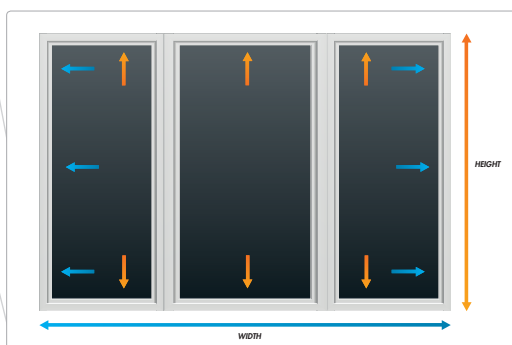
## TIP #2

**What style of shutter does the customer require?**

Bifold or Hinged, in or out; is there sufficient distance for the panel to be fully opened out or in, check for obstructions that would prevent full opening and operation. When opening out ensure that there is sufficient clearance at the top taking special account of the sloping soffit. For opening in ensure that the panels will open fully without hitting the floor, this will only be an issue where there is a slope or uneven floor. Sliding panels may require multiple tracks if there is a wide opening so ensure that there is sufficient structural surface area to support multiple tracks. Stacking panels require a receiver to hold and receive all the panels check that there is sufficient structural material to support the receiver and the weight of all the panels.

## TIP #3

**Measurements are critical; always take a minimum of 3 measurements across and along the height and width of an opening up to 2.4 metres, then another every 1.2metres there on.**



## TIP #4

**What if the opening is not square, this is something that needs to be established at time of quoting so as to cover any extras that may be required, for example:**

Does the floor have a fall if so how much? We can supply a floating bottom pivot (at a small charge) for a maximum of 30mm fall. If the fixing area for the top track is the issue, then packing and flashing would need to be allowed for. The key to the Louvre product working its best is to have the top track square and level.

## TIP #5

**When ordering the product, we will manufacture the shutters to the smallest dimensions supplied, this insures that the shutters will fit the opening with some form of packing or flashing required to conceal the gaps.**

## TIP #6

**Shutter Concepts manufacture each panel from the bottom up unless otherwise requested. The reason for this is when the roof or floor has a fall, it will determine if the panels should be manufactured from the top down rather than the bottom up. This can also be an issue if there are multiple openings that align side by side where the transom/midrails and blades are required to align in each opening.**

# STANDARD COLOUR CHOICES

**PEARL WHITE**  
(CLASSIC PEARL WHITE)



272-81880

**ALMOND IVORY GLOSS**



GD016A

**ANODIC DARK GREY MATT**



GL213A

**ANODIC OFF WHITE MATT**



GD227A

**ANODIC SILVER GREY MATT**



GL237A

**ANOTEC XT SILVER GREY**



272-51272

**APO GREY PCS15**



272-32786

**APO GREY SATIN**



GL107A

**AUBERGINE**



272-84736

**BARLEY GLOSS**



GD007A

**BARLEY XT**



2723089G

**BERRY GREY GLOSS DURATEC**



900-81973

**BERRY GREY GLOSS XT**



272-7262G

**BERRY GREY SATIN XT**



272-88362

**BLACK MATT FG (N/SKY) PCS28**



959-84702

**BLACK MATT XT**



272-19319

**BLACK SATIN**



GN150A

**BLACK SATIN (N/SKY) PCS29**



272-19268

**BLACK TEXTURE SABLE**



MN341A

**BLAZE BLUE**



984-19941

**BLAZE BLUE GLOSS**



MJ034A

**BLUE RIDGE MATT EXCEL™**



GJ221A

**BLUE RIDGE SATIN EXCEL™**



GQ121A

**BLUE RIDGE XT**



272-88480

**BRIGHT WHITE GLOSS**



GA030A

**BUSHLAND MATT EXCEL™**  
(WAS TEA TREE EXCEL)



GK203A

**BUSHLAND SATIN EXCEL™**



GS103A

**BUSHLAND XT**



272-6128S

**CANOLA CREAM XT**

































272-81796

**CHARCOAL GLOSS XT**



272-9086G

# STANDARD COLOUR CHOICES

<p><b>CHARCOAL SATIN XT PCS16</b></p>  <p>272-88351</p>	<p><b>CLASSIC CREAM MATT FG</b></p>  <p>959-84732</p>	<p><b>CLASSIC CREAM SATIN EXCEL™</b></p>  <p>GU145A</p>	<p><b>CLASSIC CREAM SATIN XT</b></p>  <p>272-2095S</p>	<p><b>CLASSIC CREAM EXCEL™</b> <i>(WAS SMOOTH CREAM™)</i></p>  <p>GD245A</p>
<p><b>CORAL BACK GLOSS (15KG)</b></p>  <p>GN063A</p>	<p><b>COTTAGE GREEN SATIN EXCEL™</b></p>  <p>GS174A</p>	<p><b>COTTAGE GREEN</b></p>  <p>272-84219</p>	<p><b>COTTAGE GREEN MATT EXCEL™</b> <i>(WAS CAULFIELD GREEN)</i></p>  <p>GK247A</p>	<p><b>CUSTOM BLACK MATT</b></p>  <p>GN248A</p>
<p><b>DEEP BRUNSWICK GREEN FG</b></p>  <p>959-81879</p>	<p><b>DEEP OCEAN MATT EXCEL™</b> <i>(WAS MOUNTAIN BLUE XL)</i></p>  <p>GJ203A</p>	<p><b>DEEP OCEAN SATIN EXCEL™</b></p>  <p>GQ103A</p>	<p><b>DEEP OCEAN XT</b></p>  <p>272-5125S</p>	<p><b>DUNE</b></p>  <p>959-84764</p>
<p><b>DUNE</b></p>  <p>272-3087S</p>	<p><b>DUNE MATT EXCEL™</b> <i>(WAS BIRCH GREY)</i></p>  <p>GL252A</p>	<p><b>DUNE SATIN EXCEL™</b></p>  <p>GP152A</p>	<p><b>FRENCH BLUE</b></p>  <p>984-3272S</p>	<p><b>FRENCH BLUE GLOSS</b></p>  <p>MJ067A</p>
<p><b>GREY NURSE XT</b></p>  <p>272-50060</p>	<p><b>HAMERSLEY BROWN SATIN</b></p>  <p>GM100A</p>	<p><b>HAMERSLEY BROWN (NEW) PCS20</b></p>  <p>272-84657</p>	<p><b>HARVEST FG</b></p>  <p>959-84766</p>	<p><b>HAWTHORN GREEN GLOSS EXCEL™</b></p>  <p>GK030A</p>
<p><b>HEADLAND MATT EXCEL™</b> <i>(WAS TUSCAN RED)</i></p>  <p>GG219A</p>	<p><b>HEADLAND SATIN EXCEL™</b></p>  <p>GV119A</p>	<p><b>HERITAGE GREEN GLOSS EXCEL™</b></p>  <p>GK044A</p>	<p><b>HORIZON BLUE</b></p>  <p>272-33344</p>	<p><b>IRONSTONE MATT EXCEL™</b></p>  <p>GL236A</p>

# STANDARD COLOUR CHOICES

**IRONSTONE SATIN EXCEL™**



GP136A

**IRONSTONE XT**



272-7257S

**IVORY COAST XT PCS10**



272-3061G

**JASPER**



272-8122S

**JASPER MATT EXCEL™**



GM214A

**JASPER SATIN EXCEL™**



GT114A

**LAWN GREEN GLOSS**



MK038A

**LIGHT GREY XT**



272-7263G

**MAGNOLIA XT PCS09**



272-32658

**MAGNOLIA GLOSS**



GD025A

**MANOR RED FG**



959-52094

**MANOR RED MATT EXCEL™**  
*(WAS HERITAGE RED)*



GG262A

**MANOR RED SATIN EXCEL™**



GV162A

**MANOR RED XT**



272-4134S

**MOSS VALE SANDS**  
*(SUMMERSHADE)*



272-33019

**NAVY GLOSS**



MJ011A

**NEW BRIGHT WHITE PCS03**



272-84636

**NIGHT SKY XT**  
*(BLACK MATT)*



272-19319

**NIGHT SKY FG**  
*(BLACK SATIN)*



959-81878

**NIGHT SKY MATT EXCEL™**  
*(WAS EBONY / MATT BLACK)*



GN231A

**NIGHT SKY SATIN EXCEL™**



GN121A

**NOTRE DAME PCS13**



272-36672

**NOTRE DAME GLOSS**



GL040A

**OFF WHITE**



272-33732

**OFF WHITE MATT**



GA211A

**OLDE PEWTER PCS19**



272-50243

**OLDE PEWTER SATIN**



GL175A

**OYSTER GREY MATT**



GL258A

**PALE EUCALYPT**




























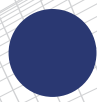
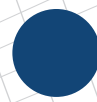



272-6127S

**PALE EUCALYPT**



959-36648

# STANDARD COLOUR CHOICES

<p><b>PALE EUCALYPT SATIN EXCEL™</b></p>  <p>GS136A</p>	<p><b>PALE EUCALYPT MATT EXCEL™</b> <i>(WAS MIST GREEN)</i></p>  <p>GK236A</p>	<p><b>PAPERBARK MATT EXCEL™</b> <i>(WAS BOND MERINO)</i></p>  <p>GD214A</p>	<p><b>PAPERBARK SATIN EXCEL™</b></p>  <p>GU114A</p>	<p><b>PAPERBARK XT</b></p>  <p>272-3088S</p>
<p><b>PEARL WHITE GLOSS</b></p>  <p>GA078A</p>	<p><b>PEARL WHITE GLOSS XT</b> <i>(FOR GALVANISING ONLY)</i></p>  <p>GA029A</p>	<p><b>PEARL WHITE XT PCS01</b></p>  <p>272-1114G</p>	<p><b>PERIWINKLE</b></p>  <p>272-50276</p>	<p><b>PERIWINKLE GLOSS</b></p>  <p>ML073A</p>
<p><b>PRIMROSE GLOSS PCS05</b></p>  <p>GD037A</p>	<p><b>PRIMROSE GLOSS XL</b> <i>(FOR GALVANISING ONLY)</i></p>  <p>GD031A</p>	<p><b>PRIMROSE XT PCS05</b></p>  <p>272-84365</p>	<p><b>RIVERGUM BEIGE XT PCS11</b></p>  <p>272-36991</p>	<p><b>RIVERGUM GLOSS</b></p>  <p>GD042A</p>
<p><b>ROSEBERRY GREY GLOSS</b></p>  <p>GL015A</p>	<p><b>SANDBANK MATT EXCEL™</b></p>  <p>GM216A</p>	<p><b>SANDBANK SATIN EXCEL™</b></p>  <p>GT116A</p>	<p><b>SANDBANK XT</b></p>  <p>272-2093S</p>	<p><b>SHALE GREY FG</b></p>  <p>959-84711</p>
<p><b>SHALE GREY MATT EXCEL™</b> <i>(WAS GULL GREY)</i></p>  <p>GL284A</p>	<p><b>SHALE GREY XL SATIN</b></p>  <p>GN121A</p>	<p><b>SHALE GREY XT</b></p>  <p>272-83246</p>	<p><b>SHOJI WHITE</b></p>  <p>272-84682</p>	<p><b>SHOJI WHITE SATIN</b></p>  <p>GA160A</p>
<p><b>SPACE BLUE</b></p>  <p>984-19990</p>	<p><b>SPACE BLUE GLOSS</b></p>  <p>MJ008A</p>	<p><b>SPECIAL WHITE GLOSS</b></p>  <p>MA042A</p>	<p><b>STONE BEIGE MATT</b></p>  <p>GD247A</p>	<p><b>STONE BEIGE XT PCS08</b></p>  <p>272-32538</p>

# STANDARD COLOUR CHOICES

**SURFMIST  
FG EXCEL™**


GB136A

**SURFMIST  
SATIN EXCEL™**


GA236A

**SURFMIST  
XL MATT**  
 (WAS BOND OFF WHITE)


272-1137S

**SURFMIST  
XT**


272-6133G

**TRANSFORMER  
GREY PCS12**


GY070A

**WEDGEWOOD  
SATIN**


GA057A

**WEDGEWOOD  
XT**


272-37131

**WHITE BIRCH  
GLOSS**


GA124A

**WHITE BIRCH  
XT PCS04**


272-1139S

**WHITE SATIN**


GS189A

**WHITE SATIN  
XT PCS02**


959-52027

**WILDERNESS  
XL SATIN**


272-84224

**WILDERNESS  
FG EXCEL™**


GK289A

**WILDERNESS  
XT PCS04**  
 (WAS RIVERGUM GREEN) (WAS BOND RIVERGUM)


272-7256S

**WILDERNESS  
XL MATT**


GL266A

**WINDSPRAY  
DURALLOY XT**


GP166A

**WINDSPRAY  
XL MATT**  
 (WAS ARMOUR GREY)


959-85042

**WINDSPRAY  
XL SATIN**


984-51046

**WINDSPRAY  
XT**


272-50283

**WOOLAND GREY  
FG EXCEL™**


GL205A

**WOODLAND GREY  
EXCEL™**

(WAS SLATE GREY XT)



GP105A

**WOODLAND GREY  
XL MATT**

(WAS BOND SLATE GREY)



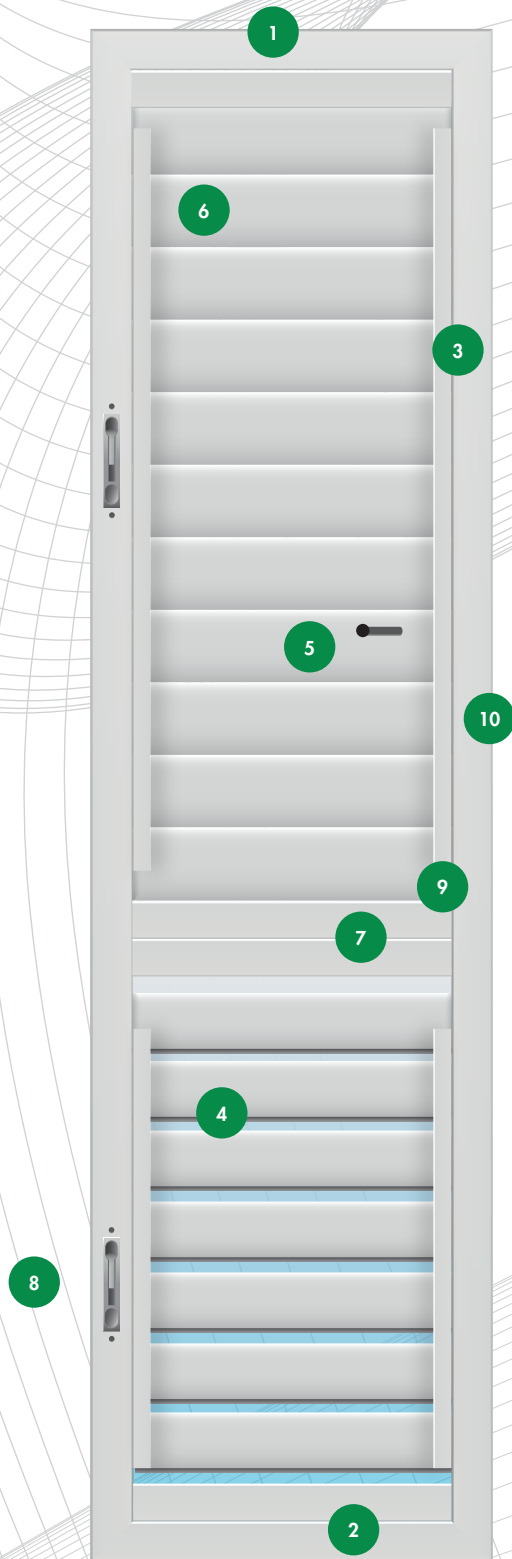
MF035A

**WOODLAND GREY  
XL SATIN**


ME038A

**Please note:**

Colours displayed on these colour sheets are a guide only and have been matched as closely as possible. Due to the nature of the printing process, some degree of colour and gloss level variation may occur. Where more than one finish is available, product colour may vary. We recommend that you use production line prepared samples for final colour selection or approval.



- 1 Top rail
- 2 Bottom rail
- 3 Finger grip
- 4 Weather wool piles
- 5 Unique blade lock system
- 6 Elipso blade
- 7 Mid rail / transom
- 8 Optional flush bolts *(for bi-folds & sliders)*
- 9 UV resistant blade end clips *(100kg rated)*
- 10 Style