HARDWARE SOLUTIONS

ANDO™, ICON™ & MIRO™ HARDWARE FOR ALUMINIUM WINDOWS & DOORS







HARDWARE – THE DEFINING FEATURE OF WINDOWS AND DOORS

Hardware is one of the defining features of windows and doors. The form and function of handles and latches provide a tactile experience that can considerably enhance the appearance and functionality of your windows and doors.

In developing the ANDO $^{\rm TM}$, MIRO $^{\rm TM}$ and ICON $^{\rm TM}$ ranges, we have aimed to achieve three unique and stylish suites of hardware, giving you three distinct and contemporary selections for your windows and doors.

Consistent styling within each range was of paramount concern. Smooth, sleek lines for ANDO™, square contemporary styling for ICON™, and elegant design curves for MIRO™.

The consistent visual styling will add elegance to your project.

THREE UNIQUE, STYLISH RANGES

Each of our hardware ranges is uniquely styled to offer you a variety of options for your windows and doors. Select from the smooth, sleek lines of ANDO", square contemporary styling of ICON", and elegant curves of MIRO".



FORM FOLLOWS FEELING

Developed to complement the modern design and clean lines of the Designer Series, the ANDO™ range brings a fresh and sleek look to residential windows and doors. Available across the range of window and door applications and in a wide variety of finishes, ANDO™ hardware offers a family appearance providing consistency throughout your project.



STRENGTH AND INTEGRITY

The ICON™ hardware range is a fully integrated range of 316-grade stainless steel hardware for aluminium windows and doors.

The range offers superior weathering performance and outstanding durability making it suitable for all environments.

Developed for use with our highperformance window systems, ICON™ incorporates a square-edge, rectilinear look which complements the lines of Designer Series or Architectural Series windows and doors.





CONTEMPORARY STYLE

The MIRO™ range of window and door hardware is a blend of contemporary design and function. It offers a unified look from window to door.

The smooth, ergonomic MIRO™ shapes offer good aesthetics as well as a comfortable hand grip. Secure and convenient locking features have been included.

Manufactured from die-cast zinc and available in a range of contemporary powder coat finishes to match or contrast your aluminium joinery.





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AND WARE
HARDWARE Developed to complement the modern design and clean lines of the Designer

Series, the ANDO range brings a fresh and sleek look to residential windows and doors. Manufactured from die-cost zinc or 316-grade stainless steel, the ANDO" range is available across the range of

window and door applications. With a wide variety of finishes, AVDO hardware offers a family appearance providing consistency throughout your project.





ANDO[™] TWIN POINT SLIDING DOOR LOCKI

This powerful square form handle surface mounts to the door. The handle incorporates a twin actuated locking mechanism with dual 316-grade stainless steel locking tongues. The external pull handle is manufactured from powder coat finished stainless steel to deliver excellent corrosion resistance and durability.

SUITABLE FOR USE WITH

Series 541 Residential Sliding Door

Series 542 Residential Sliding Door

Series 618 MAGNUM™ Sliding Door

Series 471 Apartment Sliding Door

Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



DIMENSIONS

Height: 210mm Width: 105mm Depth: 44mm



ANDOTE SLIDING DOOR LOCK

The ANDO™ slimline sliding door lock incorporates a twin actuated locking mechanism with dual 316-grade stainless steel locking tongues. There is no lever or D-pull to protrude over the glass, ensuring clean lines and a sleek appearance. The external pull handle is manufactured from powder coat finished stainless steel to deliver excellent corrosion resistance.

SUITABLE FOR USE WITH

Series 541 Residential Sliding Door

Series 542 Residential Sliding Door

Series 618 MAGNUM™ Sliding Door

Series 471 Apartment Sliding Door

Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



DIMENSIONS

Height: 210mm Width: 30mm Depth: 38mm



ANDO** SINGLE POINT SLIDING DOOR LOCK

Maintaining the form and style of the ANDO™ range, this single point sliding door lock is ideal for residential applications. The handle surface mounts to the door and offers an integrated single point locking mechanism. The external pull handle is manufactured from powder coat finished stainless steel to deliver excellent corrosion resistance and durability.

SUITABLE FOR USE WITH



Series 541 Residential Sliding Door



Series 542 Residential Sliding Door



Series 618 MAGNUM™ Sliding Door



Series 471 Apartment Sliding Door



DIMENSIONS

Height: 210mm Width: 100mm Depth: 40mm



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ANDO SLIDING DOOR HANDLE

This elegant D-pull handle is designed to offer a sleek contemporary alternative to surface mounted sliding door locks. Used in conjunction with a mortice lock, the ANDO™ Sliding Door Handle delivers a secure, functional and elegant solution. The handle is manufactured from 316-grade stainless steel and offered in a natural or powder coat finish.

SUITABLE FOR USE WITH



Series 73 I ThermalHEART® Sliding Door

Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door

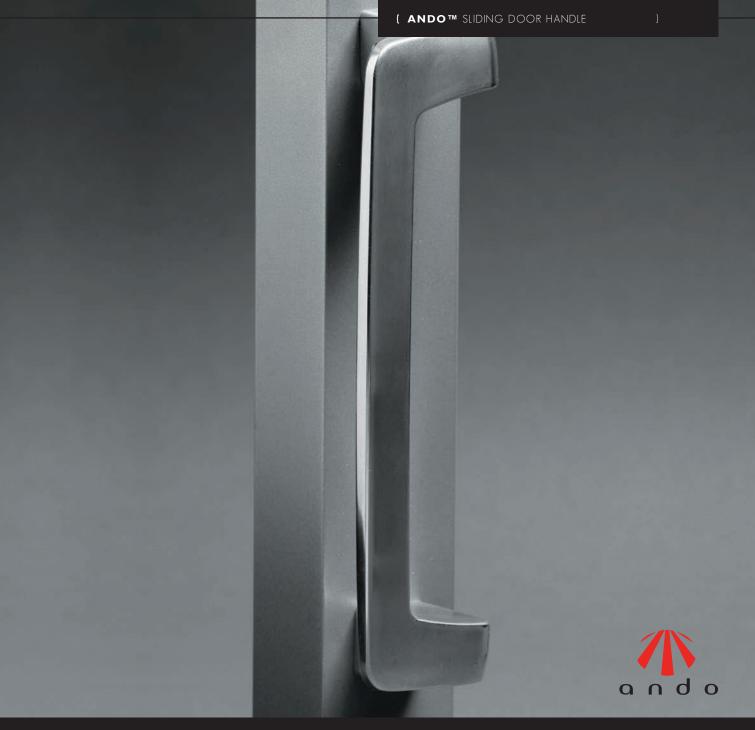


DIMENSIONS

Height: 236mm Width: 66.5mm Depth: 50.5mm



Available in 316-grade stainless steel or powder coat finish over stainless steel



ANDO** BI-FOLD OPERATOR

This swivel operator throws locking stainless steel bolts into the frame at the top and bottom of the panel. Optional key-locking (separately installed) is available. Available in 316-grade stainless steel or die-cast zinc with powder coated finish.

SUITABLE FOR USE WITH

Series 546 Designer Bi-fold Window

Series 548 Designer Bi-fold Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door

Series 411 ViewMASTER™ Bi-fold Door

Series 412 ViewMASTER™ Bi-fold Door



DIMENSIONS (operator)

Height: 143mm Width: 27mm Depth: 15mm



Available in 316-grade stainless steel



ANDO[™] LOCKING LEVER HANDLE

A clean, compact lever handle with options for single or multi-point locking. Turning the key activates locking rods at the top and bottom of the door. Available in 316-grade stainless steel or powder coat finish.

SUITABLE FOR USE WITH

Series 549 Residential Entry Door

Series 548 Designer Bi-fold Door

Series 548 Designer Hinged Door

Series 729 ThermalHEART® Hinged Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door

Series 411 ViewMASTER™ Bi-fold Door

Series 412 ViewMASTER™ Bi-fold Door

Series 650 Architectural Hinged Door

Available in 316-grade stainless steel



DIMENSIONS

Height: 215mm Width: 125mm Depth: 55mm



ANDO CHAINWINDER

The ANDO™ manual chainwinder is designed to suit awning window systems. Incorporating a corrosion resistant Polesium™ body and adjustable 316-grade stainless steel chain, the ANDO™ manual chainwinder is ideal for use in exposed locations.

SUITABLE FOR USE WITH



Series 517 Residential Awning Window

Series 616 Designer Awning Window

Series 726 ThermalHEART® Awning Window

Series 456 Commercial Awning Window

Series 466 Architectural Awning Window



DIMENSIONS

Height: 50mm Width: 280mm Depth: 50mm

SS

Supplied as standard with 316 stainless steel chain



ANDO** SLIDING WINDOW LOCK

A compact streamlined window lock for a neat, flush finish. Push operator into body to slide window open or closed. Key lockable for security and peace of mind. Simple elegant aesthetics make this lock ideal for architectural and designer sliding windows where a minimalist style is desired. Available in powder coated finish.

SUITABLE FOR USE WITH

Series 601 Designer Sliding Window

Series 602 Designer Sliding Window

Series 461 Apartment Sliding Window

Series 462 Architectural Sliding Window

Series 662 Architectural Sliding Window 150mm



DIMENSIONS

Height: 190mm Width: 26mm Depth: 7mm



ANDO DOUBLE HUNG WINDOW LOCK

A simple stylish window lock for use with double hung windows. Turn the latch to lock and unlock. Available in a range of powder coat finishes to complement your joinery.

SUITABLE FOR USE WITH



Series 613 Designer Double Hung Window

Series 453 Commercial Double Hung Window

Series 463 Architectural Double Hung Window



DIMENSIONS

Height: 30mm Width: 115mm Depth: 30mm





ICONARE HARDWARE

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The ICON hardware range is a roin?

Integrated range of 316-grade stainless

Integrated range of aluminium windows and

Integrated range affers superior weathering

Integrated range affers superior weathering

Integrated hardware for aluminium windows and environments.

Integrated hardware for all environments.

Integrated for all environment

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ICON™ TWIN POINT SLIDING DOOR LOCK

Designed to complement the ICON™ range, this surface mounted lock is ideal for use in residential applications. The stainless steel handle incorporates a twin actuated locking mechanism with dual 316-grade stainless steel locking tongues. Available in 316-grade stainless steel only.

SUITABLE FOR USE WITH

Series 541 Residential Sliding Door

Series 542 Residential Sliding Door

Series 618 MAGNUM™ Sliding Door

Series 471 Apartment Sliding Door

Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



Internal handle with removable snib DIMENSIONS

Height: 240mm Width: 98mm Depth: 38mm



Optional external handle DIMENSIONS

Height: 240mm Width: 33mm

Width: 33mm Depth: 32mm

SS

Only available in 316-grade stainless steel





Note: External handle shown

ICON™ SLIDING DOOR FLUSH PULL

This is an alternative to a sliding door handle and offers a more understated look. Internal corners of the pull are rounded to soften the aesthetics. A mortice lock with hook bolt is fixed separately and is activated by key or interior turn knob in a rectangular base. Available in 316-grade stainless steel only.

SUITABLE FOR USE WITH





Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



DIMENSIONS

Height: 230mm Width: 45mm

Depth: 2mm protrusion from extrusion face

15mm recess



Only available in 316-grade stainless steel



ICON™ SLIDING DOOR HANDLE

This powerful square-form handle offers a firm, comfortable grip and is ideal for larger sliding panels. It is fixed to the door on both the interior and exterior. A mortice lock with hook bolt is fixed separately and is activated by key or internal turn snib in a rectangular base plate. Available in 316-grade stainless steel only.

SUITABLE FOR USE WITH





Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



DIMENSIONS

Height: 325mm Width: 60mm Depth: 45mm



Only available in 316-grade stainless steel



ICON™ BI-FOLD OPERATOR

This swivel operator throws locking stainless steel bolts into the frame at the top and bottom of the door or window panel. The square corners of the handle are combined with radiused top and bottom surfaces to soften the aesthetics. Optional key-locking (separately installed) is available. Available in 316-grade stainless steel only.

SUITABLE FOR USE WITH

Series 546 Designer Bi-fold Window

Series 548 Designer Bi-fold Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door

Series 411 ViewMASTER™ Bi-fold Door

Series 412 ViewMASTER™ Bi-fold Door

Series 831 ThermalHEART® Commercial Bi-fold (Top Hung)

Series 832 ThermalHEART® Commercial Bi-fold (Bottom Rolling)

Only available in 316-grade stainless steel



DIMENSIONS (operator)

Height: 170mm Width: 25mm Depth: 20mm



ICON™ LEVER HANDLE

A clean, compact lever handle with four point locking as standard. The grip has a gently radiused front face and a curved back for a comfortable hand hold. Used in conjunction with lever compression locking, a lifting movement of the handle activates locking rods at the top and bottom of the door. Available in 316-grade stainless steel only.

SUITABLE FOR USE WITH

Series 549 Residential Entry Door

Series 548 Designer Bi-fold Door

Series 548 Designer Hinged Door

Series 729 ThermalHEART® Hinged Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door

Series 411 ViewMASTER™ Bi-fold Door

Series 412 ViewMASTER™ Bi-fold Door

Series 650 Architectural Hinged Door

Series 831 ThermalHEART® Commercial Bi-fold (Top Hung)

Series 832 ThermalHEART® Commercial Bi-fold (Bottom Rolling)

Only available in 316-grade stainless steel



DIMENSIONS

Height: 210mm Width: 123mm

Depth: 44mm



ICON™ CASEMENT LATCH

The ICON™ Casement Latch is designed to suit residential awning and casement windows. Manufactured from 316-grade stainless steel, this fastener incorporates square-edged and radiused styling in a bold aesthetic statement. A grey nylon wedge is incorporated.

SUITABLE FOR USE WITH



Series 517 Residential Awning/Casement Window

Series 616 MAGNUM™ Awning/Casement Window

Series 726 ThermalHEART® Awning/Casement Window

Series 456 Commercial Awning Window

Series 466 Architectural Awning/Casement Window



DIMENSIONS

Height: 38mm Width: 130mm Depth: 21mm

Only available in 316-grade stainless steel



ICON™ SLIDING WINDOW LOCK

A compact, streamlined window lock for a neat, flush finish. Push operator into body to slide window open or closed. Key lockable for security and peace of mind. Simple elegant aesthetics make this lock ideal for architectural and designer sliding windows where a minimalist style is desired. Stainless steel finish only.

SUITABLE FOR USE WITH



Series 602 Designer Sliding Window

Series 461 Apartment Sliding Window

Series 462 Architectural Sliding Window

Series 662 Architectural Sliding Window 150mm



DIMENSIONS

Height: 190mm Width: 24mm Depth: 7mm

Only available in 316-grade stainless steel







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MIRO[™] SINGLE POINT SLIDING DOOR LOCK

With gentle curves and ergonomic design, this single point sliding door lock is ideal for residential applications. The handle surface mounts to the door and offers an integrated single point locking mechanism. The external pull handle is manufactured from powder coat finished stainless steel to deliver excellent corrosion resistance.

SUITABLE FOR USE WITH



Series 542 Residential Sliding Door

Series 618 MAGNUM™ Sliding Door

Series 471 Apartment Sliding Door



DIMENSIONS

Height: 210mm Width: 110mm Depth: 40mm



MIRO** SLIDING DOOR HANDLE

The MIRO TM sliding door 'D' handle is ideal for residential sliding door applications. This handle is typically used in conjunction with a separate key lock or a snib latch in high traffic areas.

SUITABLE FOR USE WITH

Series 618 MAGNUM™ Sliding Door

Series 73 I ThermalHEART® Sliding Door

Series 702 SlideMASTER™ Sliding Door

Series 704 SlideMASTER™ Sliding Door



DIMENSIONS

Height: 168mm Width: 55mm Depth: 43mm





MIRO BI-FOLD OPERATOR

The MIRO™ Bi-fold Operator activates locking rods in the top and bottom of the door or window panel, offering security, convenience and style. A key-locking version is also available.

SUITABLE FOR USE WITH

Series 546 Designer Bi-fold Window

Series 548 Designer Bi-fold Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door



DIMENSIONS (operator)

Height: 158mm Width: 30mm Depth: 16mm



MIRO™ LEVER HANDLE

With a sleek, comfortable grip common to all MIROTM hardware, the lever door lock is available in several locking options, including keyed both sides or with interior snib. Used in conjunction with lever compression locking, an upward handle movement activates four-point locking.

SUITABLE FOR USE WITH

Series 549 Residential Entry Door

Series 548 Designer Bi-fold Door

Series 548 Designer Hinged Door

Series 729 ThermalHEART® Hinged Door

Series 730 ThermalHEART® Bi-fold Door

Series 410 FoldMASTER™ Bi-fold Door

Series 650 Architectural Hinged Door



DIMENSIONS

Height: 211mm Width: 130mm Depth: 70mm



MIRO** Casement Latch

The MIRO™ Casement Latch combines a sure hand grip with clean lines. The PVC closing wedge is matched to the handle colour. This handle is suitable for residential awning and casement window suites.

SUITABLE FOR USE WITH

Series 516 Residential Awning/Casement Window

Series 517 Residential Awning/Casement Window

Series 616 MAGNUM™ Awning/Casement Window

Series 726 ThermalHEART® Awning/Casement Window

Series 456 Commercial Awning Window

Series 466 Architectural Awning/Casement Window



DIMENSIONS

Height: 35mm Width: 125mm Depth: 44mm



TRUTH AWNING & CASEMENT WINDERS

A compact and stylish scissor winder used in conjunction with jamb to stile latches. Truth™ awning and casement winders are ideal for large awning and casement windows, fully operable with flyscreens and provide a 90° opening. Available in a range of powder coat finishes.

SUITABLE FOR USE WITH



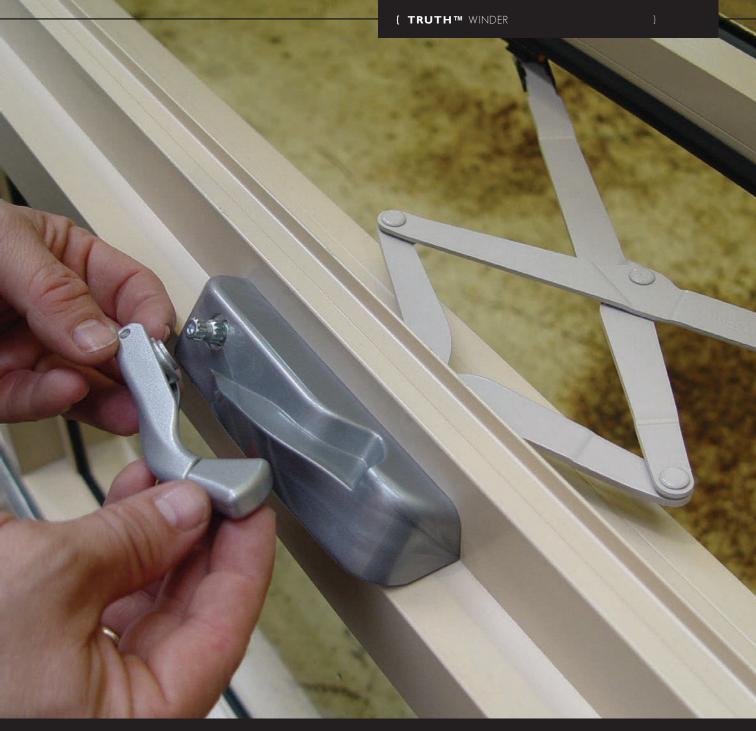


Series 467 Architectural Awning/Casement Window

Series 468 Architectural Awning/Casement Window

Series 668 bArchitectural Awning/Casement Window





HARDWARE COMPATIBILITY

ICON $^{\text{TM}}$, ANDO $^{\text{TM}}$ and MIRO $^{\text{TM}}$ hardware is compatible with most Vantage and Elevate $^{\text{TM}}$ Architectural Series systems. To simplify your selection process, the table below indicates the compatibility of hardware with each Vantage or Elevate $^{\text{TM}}$ system.

	Residential Series				Designer Series						ThermalHEART®							
	514	516	517	541	542	546	548	549	601/2	613	616	616TR	618	726	726TR	729	730	731
	D/hung	Awning	Awning	Sliding	Sliding	Bi-fold	Bi-fold	Hinged	Sliding	D/hung	Awning	Awning	Sliding	Awning	Awning	Hinged	Bi-fold	Sliding
ANDO™																		
Single Point Sliding Door Lock				•	-								•					
Twin Point Sliding Door Lock				•	-								•					
Slimline Sliding Door Lock				•	-								•					
Sliding Door Handle (with mortice lock)													•					
Bi-fold Operator						•	-										-	
Locking Lever Handle (2-point)							-	-									-	
Locking Lever Handle (4-point)							-	-										
Sliding Window Lock									•									
Chainwinder														-				
Doule Hung Window Lock	-																	
MIRO™																		
Single Point Sliding Door Lock																		
Sliding Door D-pull (with mortice lock)																		
Bi-fold Operator							-										-	
Lever Handle (2-point)																		
Lever Handle (4-point)																		
Lever Handle (with lever compression lock)																		
Casement Latch																		
ICON™																		
Twin Point Sliding Door Lock					-													
D-pull with ISEO Lock																		
Flush Pull (with mortice lock)																		
Bi-fold Actuator						-	-										-	
2-Point Hinged Door Lock							-	-									-	
Multi-point (4) Hinged Door Lock																		
Lever Compression Hinged Door Lock							-	-									-	
Casement Latch											-							
Sliding Window Lock									-									
TRUTH™ Winder																		

C The	Commerci ermalHEA	al .RT [®]			Commer	cial Series				Architectural Series											
831	832	852	50/52	452	453	456	461	471	662	462	463	466	467	468	668	410	411	412	650	702	704
Bi-fold	Bi-fold	Door	Hinged	Sliding	D/hung	Awning	Sliding	Sliding	Sliding	Sliding	D/hung	Awning	Awning	Awning	Awning	Bi-fold	Bi-fold	Bi-fold	Hinged	Sliding	Sliding
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CHOOSE YOUR HARDWARE COLOUR

Choosing a colour for your window and door systems requires careful thought. All Vantage and Elevate $^{\text{m}}$ windows and doors are made to order so you have complete freedom to choose the perfect finish for your project.

An added advantage is being able to select colour matched hardware for your windows and doors.

MIRO™ and ANDO™ hardware can be colour matched to your aluminium joinery. Choose from one of our hardware colours and your hardware will match your joinery, giving you a stylish finish for your project.

ICON™ and some ANDO™ hardware is available in 316-grade stainless steel. This is the ideal, up-market finish for your project. Stainless steel hardware has superior weathering performance and provides an excellent solution where it is not possible to achieve a colour matched hardware and joinery combination.

Stainless steel hardware looks fabulous on anodised joinery for a sleek architectural finish.



When using an AWS Colour Card you will notice a small key symbol beside some colour swatches. This symbol denotes the availability of colour matched hardware in the finish.

ANDO™ and MIRO™ hardware can be supplied colour matched to your powder coat finished aluminium joinery.	Silver Medallist Pearl Satin 3005	_e €	Pearl White Gloss 1004	P	
Colour matched finishes are displayed on this page.	Dark Grey Matt 2005	P	White Birch Gloss 2026	g o	
IMPORTANT NOTE					
Finishes shown on this page are a guide only and are not accurate representations of the actual powder coat or anodised finish. Please refer	Charcoal Metallic Gloss 3001	P	Primrose Gloss 1005	P	
to the AWS Colour Card, or request powder coat swatches from your fabricator for colour matching.	Hammersley Brown Satin 2008	g o	Stone Beige Matt 1006	P	
	Magnolia Gloss 2012	P	APO Grey Satin 1001	P	
	Paperbark® COLORBOND® 012	P	Surfmist® COLORBOND® Matt 2022	P	
	Dune® COLORBOND® Matt 1010	P	Woodland Grey® COLORBOND® Matt 1008	P	
	Pottery Satin 2017	P	Custom Black Matt 1002		
	Doeskin Satin 2006	_e go	Citi [®] Pearl Matt 3002	P	



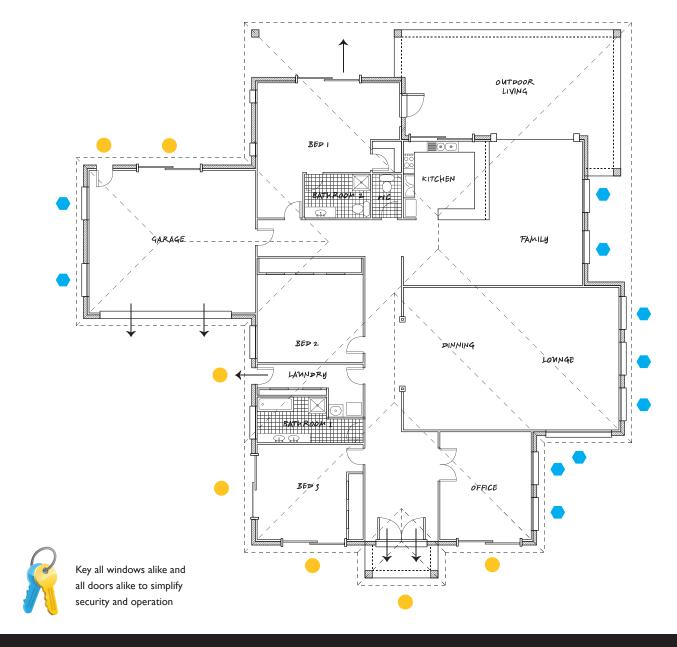
ONE KEY SOLUTION

Project security can be complex - reducing the number of key combinations for a project can simplify this and improve operability for end users.

The AWS range of window and door hardware is designed to ease the complexity of home security. A range of keying options are available.

Depending upon the products and hardware specified, it is possible to achieve a single key solution for your project.

In almost all instances, AWS window locks can be keyed alike, as can AWS door locks. This means one key to operate all windows within your project and one key to operate all doors. This simplified approach brings security and peace of mind to end users.





HARDWARE SELECTION, CARE & MAINTENANCE

The coastal environment is extremely harsh on finishes and materials. AWS recommends that any building situated within five kilometers of the coast or affected by direct coastal breeze, should only use Polesium™, aluminium or 316-grade stainless steel hardware. AWS recommends that all its products exposed to harsh climatic conditions should be washed and cleaned every month with a mild detergent to stop salt build-up and all cylinders should be lubricated with a suitable graphite powder.

CARING FOR POWDER COAT FINISHED HARDWARE

Hardware that is supplied with a powder coat finish and should be cleaned on a regular basis.

Atmospheric deposits, especially in coastal areas, can cause damage to the coating surface and should be cleaned every three months. In severe marine environments cleaning should ideally take place monthly, especially for exterior-mounted hardware such as door handles.

Cleaning should be undertaken with a dilute solution of a mild detergent in warm water. A soft brush or rag should be used. There should be no use of abrasive aids.

After cleaning, the coating should be wiped down with fresh water.

CARING FOR STAINLESS STEEL HARDWARE

Stainless steel is generally low in maintenance, although some is required to maximise corrosion resistance and removal of surface contamination. Proper care and maintenance will ensure your ICONTM or ANDOTM stainless steel hardware achieves maximum corrosion resistance and maintains its lustre and appearance indefinitely.

One of the advantages of stainless steel hardware is that any "tea staining" or discolouration can be easily removed and generally the product will return to its 'new' state with appropriate cleaning.

- Most discolouration can be removed with a mildly abrasive cleaner (Ajax, Iif, Brasso, etc.)
- Heavier corrosion can be removed using a Scotch-Brite[™] pad or stainless steel scourer
- Do not use steel wool as this may leave residues of steel which will rust, causing surface discolouration
- After cleaning, the product should be rinsed free of all cleaning product residue with clean water. Stainless steel may develop discolouration brought about by environmental and installation conditions. Environments with exposure to the following substances should be avoided:
 - Chlorine-based (bleach) products and cleaners
 - Hydrochloric acid (commonly used for tile and concrete cleaning)
 - Cement dust
 - Soap concentrates
 - Water with high iron content (generally bore water)

NOTE: Stainless steel is a living metal, so light surface discolouration is likely to occur in the first few weeks after installation as the metal stabilises with the environment. Do not be alarmed, this is quite normal but does require cleaning immediately to prevent permanent damage.













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