

# HARDWARE SOLUTIONS

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



# 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 ANDO™, ICON™, and MIRO™ ranges.



## ANDO™

### 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.



## ICON™

### 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 high-performance window systems, ICON™ incorporates a square-edge, rectilinear look which complements the lines of Designer Series or Architectural Series windows and doors.



## MIRO™

BRAND NEW RANGE COMING EARLY 2019



# 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™, MIRO™ and ICON™ 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.

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# ANDO™ HARDWARE

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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-cast 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, ANDO™ hardware offers a family appearance providing consistency throughout your project.

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ANDO™ HARDWARE }



# ANDO™ TWIN POINT SLIDING DOOR LOCK

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.



## DIMENSIONS

HEIGHT 210mm

WIDTH 105mm

DEPTH 44mm

## 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

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ANDO™ TWIN POINT SLIDING LOCK }



ando

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# ANDO™ SLIMLINE 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.



## DIMENSIONS

HEIGHT	210mm
WIDTH	30mm
DEPTH	38mm

## 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



# 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.



## DIMENSIONS

HEIGHT	210mm
WIDTH	100mm
DEPTH	40mm

## SUITABLE FOR USE WITH

-  Series 541 Residential Sliding Door
-  Series 542 Residential Sliding Door
-  Series 618 MAGNUM™ Sliding Door
-  Series 471 Apartment Sliding Door

{ ANDO™ SINGLE POINT SLIDING DOOR LOCK }



ando

# 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.



SS

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

## DIMENSIONS

HEIGHT	236mm
WIDTH	66.5mm
DEPTH	50.5mm

## SUITABLE FOR USE WITH

-  Series 618 MAGNUM™ Sliding Door
-  Series 731 ThermalHEART® Sliding Door
-  Series 702 SlideMASTER™ Sliding Door
-  Series 704 SlideMASTER™ Sliding Door
-  Series 852S Thermally Broken Sliding Door
-  Series 50S Commercial Door
-  Series 51S Commercial Door
-  Series 52S Commercial Door

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ANDO™ SLIDING DOOR HANDLE }



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# 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.



SS

Available in 316-grade stainless steel

## DIMENSIONS OPERATOR

HEIGHT 143mm

WIDTH 27mm

DEPTH 15mm

## 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® Bi-fold Door (Top Hung)



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

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ANDO™ BI-FOLD OPERATOR }



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# 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.



SS

Available in 316-grade stainless steel

## DIMENSIONS

HEIGHT 215mm

WIDTH 125mm

DEPTH 55mm

## 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

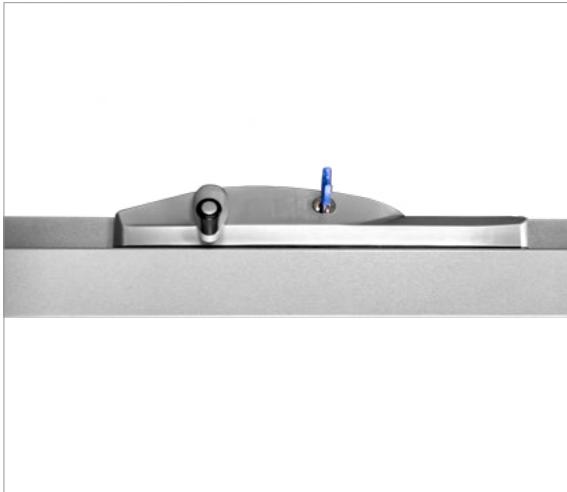


Series 650 Architectural Hinged Door



# 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.



Supplied as standard with 316 stainless steel chain

## DIMENSIONS

HEIGHT 50mm

WIDTH 280mm

DEPTH 50mm

## SUITABLE FOR USE WITH



Series 516 Residential Awning Window



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

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ANDO™ CHAINWINDER }



# 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.



## DIMENSIONS

HEIGHT 190mm

WIDTH 26mm

DEPTH 7mm

## 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

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ANDO™ SLIDING WINDOW LOCK }



# 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.



## DIMENSIONS

HEIGHT 30mm

WIDTH 115mm

DEPTH 30mm

## SUITABLE FOR USE WITH



Series 514 Residential Double Hung Window



Series 613 Designer Double Hung Window



Series 453 Commercial Double Hung Window



Series 463 Architectural Double Hung Window





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# ICON™ HARDWARE

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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 high-performance window systems, ICON™ incorporates a square-edge, rectilinear look which complements the lines of Designer and Architectural Series windows and doors.

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ICON™ HARDWARE }



# 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.



## DIMENSIONS

HEIGHT	230mm	
WIDTH	45mm	
DEPTH	2mm	PROTRUSION FROM EXTRUSION FACE
	15mm	RECESS

## SUITABLE FOR USE WITH

-  Series 618 MAGNUM™ Sliding Door
-  Series 731 ThermalHEART® Sliding Door
-  Series 702 SlideMASTER™ Sliding Door
-  Series 704 SlideMASTER™ Sliding Door



Only available in 316-grade stainless steel

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ICON™ SLIDING DOOR LOCK }



# 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.



## DIMENSIONS

HEIGHT	325mm
WIDTH	60mm
DEPTH	45mm

## SUITABLE FOR USE WITH

-  Series 618 MAGNUM™ Sliding Door
-  Series 731 ThermalHEART® Sliding Door
-  Series 702 SlideMASTER™ Sliding Door
-  Series 704 SlideMASTER™ Sliding Door



Only available in 316-grade stainless steel

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ICON™ SLIDING DOOR HANDLE }



**icon**

# 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.



SS

Only available in 316-grade stainless steel

## DIMENSIONS OPERATOR

HEIGHT	170mm
WIDTH	25mm
DEPTH	20mm

## 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® Bi-fold (Top Hung)
-  Series 832 ThermalHEART® Bi-fold (Bottom Rolling)

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ICON™ BI-FOLD OPERATOR }



**icon**

# 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.



SS

Only available in 316-grade stainless steel

## DIMENSIONS

HEIGHT	210mm
WIDTH	123mm
DEPTH	44mm

## 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® Bi-fold (Top Hung)
-  Series 832 ThermalHEART® Bi-fold (Bottom Rolling)

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ICON™ LEVER HANDLE }



# 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.



Only available in 316-grade stainless steel

## DIMENSIONS

HEIGHT	38mm
WIDTH	130mm
DEPTH	21mm

## 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

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ICON™ CASEMENT LATCH }



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# 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.



## DIMENSIONS

HEIGHT 190mm

WIDTH 24mm

DEPTH 7mm

## 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

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ICON™ SLIDING WINDOW LOCK }



**icon**

# 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 616 MAGNUM™ Awning/Casement Window
-  Series 726 ThermalHEART® Awning/Casement Window
-  Series 467 Architectural Awning/Casement Window
-  Series 468 Architectural Awning/Casement Window
-  Series 668 Architectural Awning/Casement Window



# HARDWARE COMPATIBILITY

ICON™, ANDO™ and MIRO™ hardware is compatible with most Vantage® and Elevate™ systems. To simplify your selection process, the table below indicates the compatibility of hardware with each system.

		Residential Series					Designer Series								ThermalHEART®		
		514	516	517	541	542	546	548	549	601/2	613	616	616TR	618	726	726TR	729
		D/hung	Awning	Awning	Sliding	Sliding	Bi-fold	Bi-fold	Hinged	Sliding	D/hung	Awning	Awning	Sliding	Awning	Awning	Hinged
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		■	■								■			■		
	Double Hung Window Lock	■									■						
ICON™	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												■		■	■		

Commercial  
ThermalHEART®

Commercial Series

Architectural Series

730	731	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	Sliding	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 COLOUR

Choosing a colour for your window and door systems requires careful thought. All Vantage and Elevate™ 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.

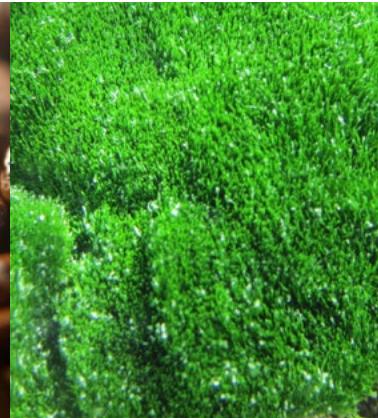
MIRO™ and ANDO™ hardware can be colour matched to your aluminium joinery. Choose from one of our hardware colours and your hardware will match your joinery, giving you a stylish finish for your project.

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.



# COLOUR CHART

ANDO™ and MIRO™ hardware can be supplied colour matched to your powder coat finished aluminium joinery. Colour matched finishes are displayed on this page.

Pearl White



GLOSS 1004

Magnolia



GLOSS 2012

Pottery



SATIN 2017

APO Grey



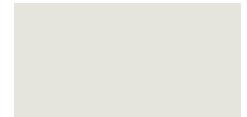
SATIN 1001

Doeskin



SATIN 2006

Surfmist®



COLORBOND®

MATT 2022

Citi®



PEARL MATT 3002

White Birch



GLOSS 2026

Dune®



COLORBOND®

MATT 1010

Silver Medallist



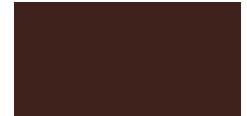
PEARL SATIN 3005

Primrose



GLOSS 1005

Hammersley Brown



SATIN 2008

Monument®



COLORBOND®

MATT 1011

Stone Beige



MATT 1006

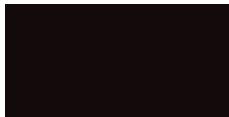
Woodland Grey®



COLORBOND®

MATT 1008

Charcoal Metallic



GLOSS 3001

Paperbark®



COLORBOND®

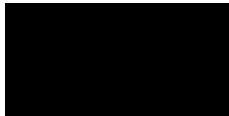
MATT 1012

Dark Grey



MATT 2005

Custom Black



MATT 1002

**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 to the AWS Colour Card, or request powder coat swatches from your fabricator for colour matching.

# CARE & MAINTENANCE

## SELECTING & CARING FOR HARDWARE IN COASTAL AREAS

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 POWDERCOATED 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 ICON™ or ANDO™ 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 such as Ajax, Jif, 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.

## 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.



Key all windows alike and all doors alike to simplify security and operation.



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Institute of  
Architects  
2012 Supporting Corporate Partner



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elevatealuminium.com.au

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