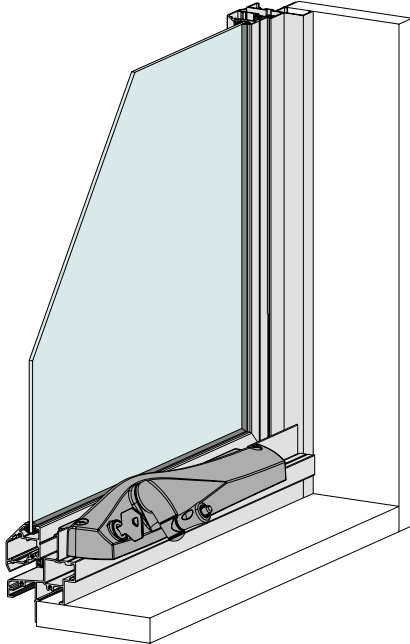


## RESIDENTIAL AWNING/CASEMENT WINDOW

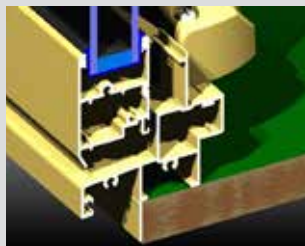


### KEY FEATURES

- 50mm frame high performance residential awning window.
- Continuous hinge hood protects sash from water intrusion. Water resistance rating of 450Pa allows this awning window to be used in most exposed residential locations in Australia.
- Awning type sashes are fitted with heavy duty chain winders.
- Casement type sash option available. These sashes are fitted with stainless steel friction stays and wedgeless cam handles.
- Adjoining fixed sidelights and/or lowlights have matching splayed glazing beads.
- Fixed sidelights and lowlights can be supplied with optional self-draining ball valve in the tubular sill that drains condensation water back to the outside while preventing blowbacks through the drainage hole.
- 102mm frame extender available.
- Moulded nylon sash corner guards designed to protect the exposed lower corners when the awning sash is in the open position.
- Custom co-extruded bulb seal for weather performance.



We offer an optional tall fixed sump sill with anti-blowback ball valve to take care of condensation.



We have several sashes to choose from, the illustration above shows our custom double glazed wraparound sash. This sash will accept 20mm Insulating Glass Units.



The standard chain winder used on the 516 comes standard with a stainless steel adjustable chain and a Polesium™ casing. These corrosion resisting features make the winder suitable for exposed locations.



The lower corners on awning sashes are protected with nylon wraparound guards. This reduces the chance of injury if someone walks into an open sash.

### GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

#### Max Panel Height\*

A/ @2400w = 800H  
C/ 1500mm

#### Max Panel Width\*

A/ @2100h = 900w  
C/ 600mm

### Max Glass Thickness

20mm

### Frame Depth

50mm

### ENERGY

UW Range  
3.4-6.6

SHGC Range  
0.21-0.66

### WEATHER

Maximum Water  
450 Pa.

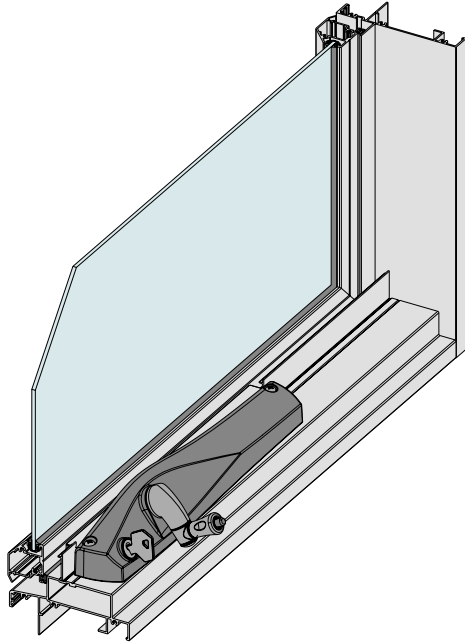
### ACOUSTICS

6.38mm Lam  
34 (-1;2)

10.38mm Lam  
STC36

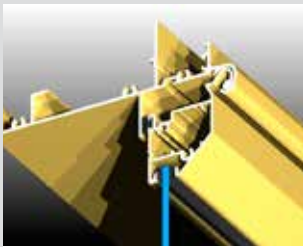


## RESIDENTIAL AWNING/CASEMENT WINDOW

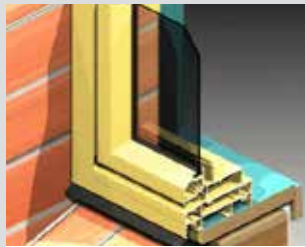


### KEY FEATURES

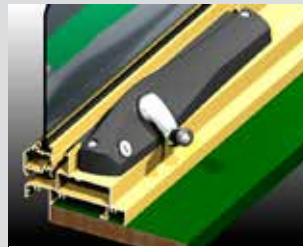
- The 102mm wide frame allows the fabrication of chain winder awning windows with the winder contained within the frame line.
- This framing system has been designed to align with and couple to the Vantage Series 541 sliding door and the Series 548 French doors.
- Awning type sashes are fitted with heavy duty adjustable chain winders.
- Adjoining fixed sidelights and/or lowlights have matching splayed glazing beads.
- Fixed sidelights and lowlights can be supplied with optional self-draining ball valve in the tubular sill that drains condensation water back to the outside while preventing blowbacks through the drainage hole.



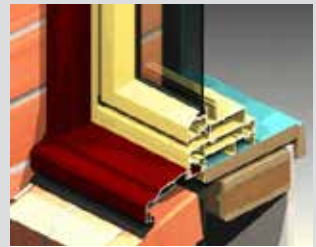
The continuous hinge built into the head and top of the sash is designed to carry heavy sashes and protect the top of the sash from water intrusion.



If you are looking for a bold frame section, consider ordering your 517 with the Longreach frame extender. The frame width grows by 17mm all round.



The standard chain winder used on the 517 comes standard with a stainless steel adjustable chain and a Polesium™ casing. These corrosion-resisting features make the winder suitable for exposed locations.



The detail above shows the ultimate frame finish with Longreach frame extender and the Paddington federation trims. The Paddington trims can be coloured to match, or contrast as shown above.

### GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

#### Max Panel Height\*

A/ @2400w = 800H  
C/ 1500mm

#### Max Panel Width\*

A/ @2100h = 900w  
C/ 600mm

Max Glass Thickness  
20mm

Frame Depth  
101.6mm

ENERGY  
UW Range  
3.8-7.1

SHGC Range  
0.27-0.66

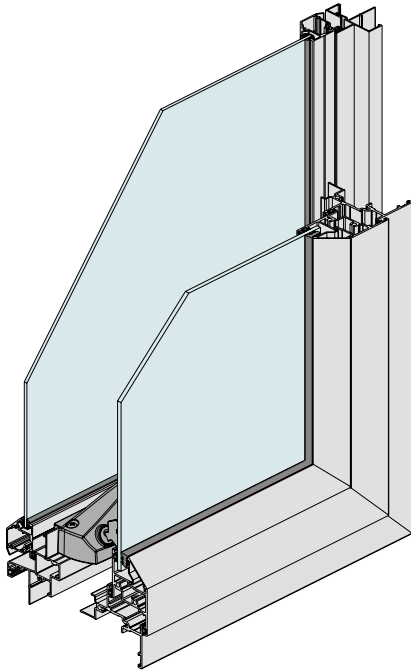
### WEATHER

Maximum Water  
450 Pa.

### ACOUSTICS

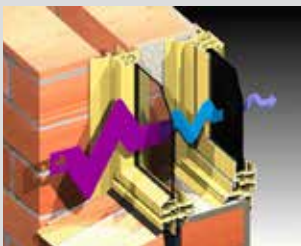
This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in line with Series 516.



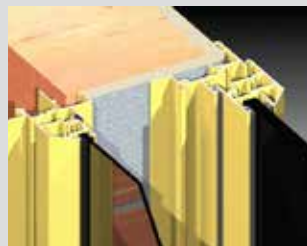


## KEY FEATURES

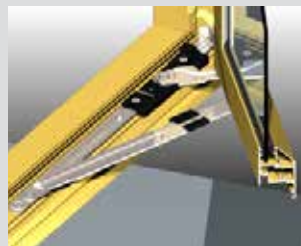
- The Vantage Series 532 secondary glazed casement system has been designed to dramatically reduce noise infiltration when installed behind existing or new windows. Product has been tested at the National Acoustic Laboratories, Chatswood NSW.
- SoundOUT™ casement sashes can be glazed with glass up to 10.38mm thick and are supported on heavy duty stainless steel stays.
- The co-extruded seal fitted to SoundOUT™ casements is made up of a soft Santoprene seal welded to a hard backing material that slides into a retention groove in the extrusion. This hard backing prevents shrinkage which would result in gaps. SoundOUT™ sashes are double sealed to the frame with this dual durometer seal to maximise the airtightness (soundproofing) of this critical joint.
- Glass is separated from the sash and glazing bead with soft wedges to reduce sound transfer and glass vibration. The sash leg dual durometer Santoprene seal is captive to simplify glazing and reduce the chance of shrinkage.



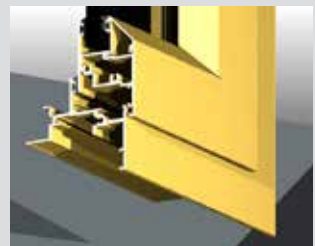
For serious sound reduction, use Vantage SoundOUT™. In some cases, the Vantage SoundOUT™ window may perform better than the wall it is being built into.



The SoundOUT™ frame nests onto the wall as detailed above.



Stainless steel casement stays used on the 532 are designed to accept heavy casement sashes with ride-up nylon wedges to assist when opening and closing the sash.



The stepped frame on the 532 allows the frame to nest onto the internal wall linings and conceal the joint between the window and wall.

### GENERAL

**Max Panel Height**  
2100mm

**Max Panel Width**  
1000mm

**Max Glass Thickness**  
24mm

**Frame Depth**  
74mm

### ACOUSTICS

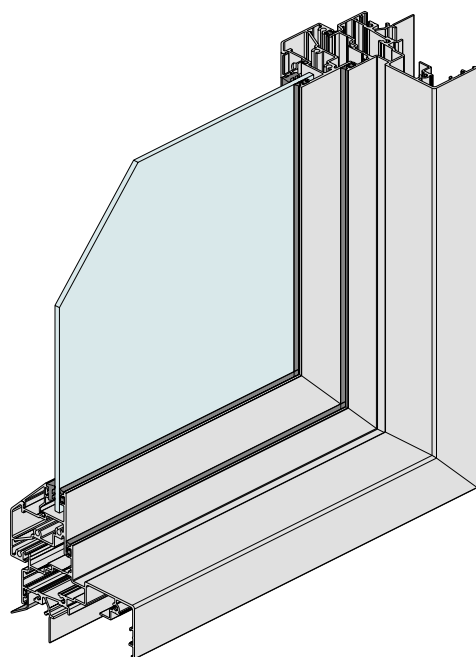
SoundOUT™ Sliding Window with primary 516 Awning window (3mm float) and 100mm air gap

**6.38mm Lam**  
STC45

### ACOUSTICS

SoundOUT™ Sliding Window with primary 516 Awning window (3mm float) and 100mm air gap

**10.38mm Lam**  
STC50

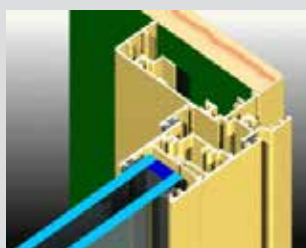


## KEY FEATURES

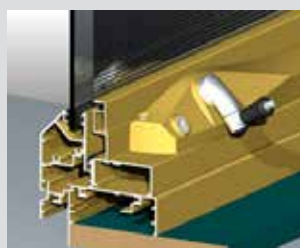
- This high performance awning/casement window has been designed to complement our existing high performance range of Designer Series windows and doors.
- The window has been tested for compliance with the relevant Australian Standards and achieved a very high water resistance, making the product suitable for most applications including multi-storey apartments.
- Low air infiltration, makes the product suitable for air-conditioned buildings.
- The extra strong sashes allow large sash windows to be fabricated for high wind load areas.
- 102mm frames, mullion and transom have a soft 2mm internal radius.
- Awning sashes can be fitted with cam handles, manual chain winders, concealed electric winders or Truth™ hardware. The winder options suit fixed flyscreen installation.
- Cyclone rated.
- Can be fabricated as fixed window.



The frame is 102mm thick with 40mm thick sashes that are strong enough for exposed locations. We have several sash options to choose from – the full range can be viewed on the website.



Beaded sashes will accept glass from 4mm to 24mm thick. The picture above shows a 24mm IGU in a standard 102 x 30mm frame.



The standard chain winder used on the 616 comes with a stainless steel chain and Polesium™ cover and base. These corrosion resisting features make the winder suitable for exposed locations.



Series 616 sashes are hung on heavy duty four bar stays (aluminium or stainless steel).

### GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

#### Max Panel Height\*

A/ @2400w = 800H  
C/ 1800mm

#### Max Panel Width\*

A/ @2100h = 900w  
C/ 1000mm

Max Glass Thickness  
24mm

Frame Depth  
102mm

ENERGY  
UW Range  
4.1-6.9

SHGC Range  
0.14-0.56

### WEATHER

Maximum Water  
600 Pa.

### ACOUSTICS

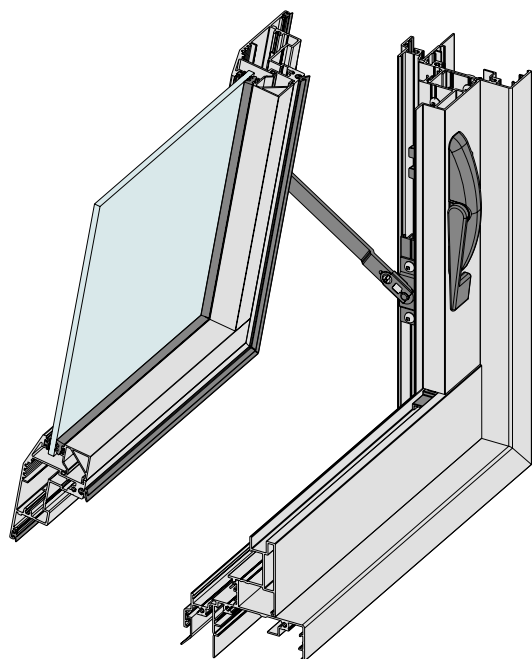
4mm Float  
32 (-2;-3)

6.38mm Lam  
34 (-1;-2)

10.38mm Lam  
36 (-1;-2)

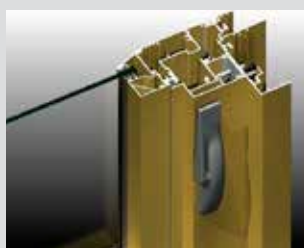
6mm/12mm/6mm  
35 (-1;-3)



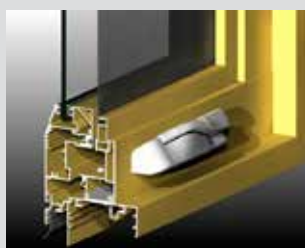


## KEY FEATURES

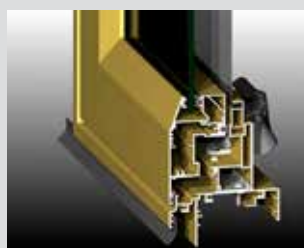
- This high performance awning/casement window has been designed to complement our existing high performance range of Designer Series windows and doors.
- Designed to accept Truth™ hardware. This allows us to offer very large casements and awnings fitted with scissor type winders with jamb to stile latches that secure the sashes in the closed position.
- The Truth™ hardware can resist very high negative wind loads with the use of winders and side latches.
- Low air infiltration, makes the product suitable for air-conditioned buildings.
- 102mm frames, mullion and transom have a soft 2mm internal radius.
- On casements it's possible to clean the external glass face when the sash is in the 90° open position.
- Truth™ awning/casement can be fitted with flyscreens.



Truth™ side latching mechanisms secure the sashes in the closed position, allowing the window to resist high negative wind loads.



The compact Truth™ winder has a foldaway handle for a sleek appearance.



Truth™ awning and casement windows can be fitted with flyscreens.



Series 616TR sashes are hung on heavy duty four bar stays (aluminium or stainless steel).

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

### Max Panel Height\*

A/ @2400w = 800H  
C/ 2100mm

### Max Panel Width\*

A/ @2100h = 900w  
C/ 1000mm

Max Glass Thickness  
24mm

Frame Depth  
102mm

ENERGY  
UW Range  
4.2-6.9

SHGC Range  
0.14-0.56

## WEATHER

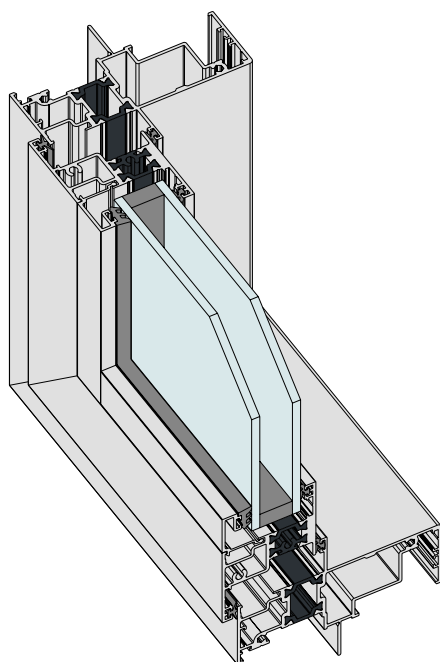
Maximum Water  
450 Pa.

## ACOUSTICS

This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 616.





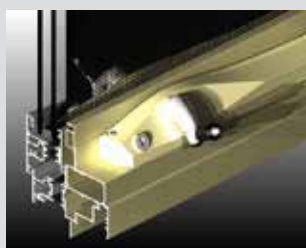


## KEY FEATURES

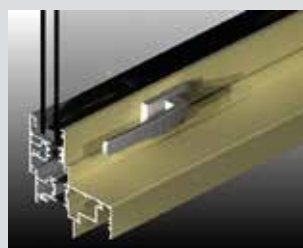
- Series 726 awning window is designed to suit Australian building-in conditions. Nailing fins (weather bars), building-in lugs and the PVC sill flap assist in installation.
- Series 726 incorporates ThermalHEART® technology giving a true wide thermal break between the outside and inside faces. ThermalHEART® systems perform up to 32% better than traditional aluminium windows and doors.
- The extra strong sash allows large opening windows to be fabricated for high wind load areas.
- The bold clean frame gives a contemporary appearance with sharp square external glazing beads standard.
- Awning sashes can be fitted with cam handles, manual chain winders, concealed electric winders or Truth™ hardware. The winder options suit fixed flyscreen installation.
- The window is compatible (appearance, strength and performance) with the high performance ThermalHEART® hinged, sliding and bi-fold doors.
- ThermalHEART® will accept insulating glass units up to 32mm thick. The typical IGU thickness is 24mm.



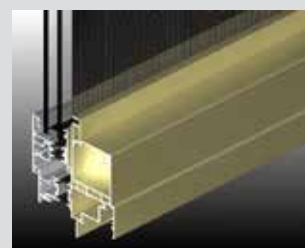
Double glazing is used as standard to obtain maximum thermal performance. Dual colour option available as shown above.



Can be fitted with manual winder and keyed to match other Vantage window locks. Corrosion resistant cover and base, along with stainless steel chain to withstand the harshest environments.



ICON™ furniture in 316 marine grade stainless steel is available.



Awning sashes can be opened and closed with optional concealed electric winders. The window box will also accept fly screens as shown above.

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

### Max Panel Height\*

A/ @2400w = 800H  
C/ 1200mm

### Max Panel Width\*

A/ @2100h = 900w  
C/ 800mm

## Max Glass Thickness

32mm

## Frame Depth

100mm

## ENERGY

UW Range  
2.7-5.5

SHGC Range  
0.13-0.47

## WEATHER

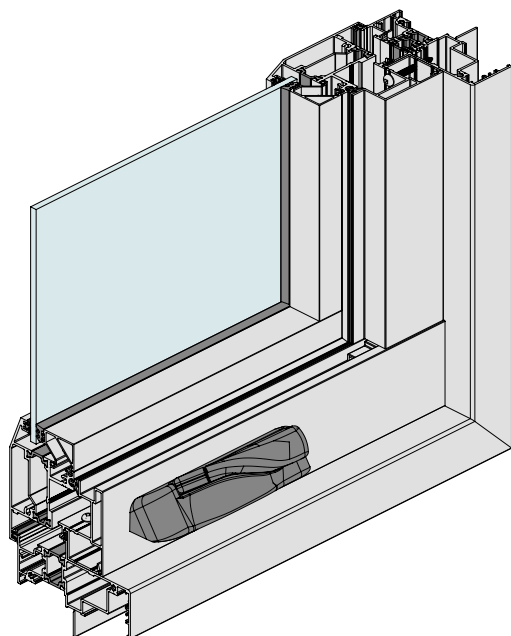
Maximum Water  
600 Pa.

## ACOUSTICS

8.5mm VLam Hush™  
/10/6.5 VLam Hush™  
41 (-1;-5)

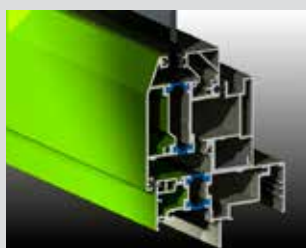
6.5mm VLam Hush™  
/12/6 Tgh  
40 (-1;-5)





## KEY FEATURES

- Series 726 awning window is designed to suit Australian building-in conditions. Nailing fins (weather bars), building-in lugs and the PVC sill flap assist in installation.
- Series 726 incorporates ThermalHEART® technology giving a true wide thermal break between the outside and inside faces. ThermalHEART® systems perform up to 32% better than traditional aluminium windows and doors.
- Designed to accept Truth™ hardware. This allows us to offer very large casements and awnings fitted with scissor type winders with jamb to stile latches that secure the sashes in the closed position.
- The Truth™ hardware can resist high negative wind loads with the use of winders and side latches.
- The window is compatible (appearance, strength and performance) with the high performance ThermalHEART® hinged, sliding and bi-fold doors.
- ThermalHEART® will accept insulating glass units up to 32mm thick. The typical IGU thickness is 24mm.
- Truth™ awning and casement will accept flyscreens.



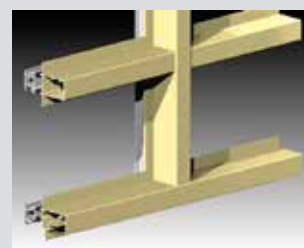
Sash designed to accept Truth™ hardware. An added benefit of colour separation possible with ThermalHEART® products - one colour inside and another outside.



Double glazing is used as standard to obtain maximum thermal performance. Dual colour option available as shown above.



Custom building-in lugs secure the jamb to cavity brick wall.  
  
2mm Radius on the internal corners softens the appearance.



Mullions stop 2mm short of perimeter to suit the 2mm radius on perimeter. Likewise the transoms stop 2mm short of the mullions for the same reason

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

### Max Panel Height\*

A/ @2400w = 800H  
C/ 2030mm

### Max Panel Width\*

A/ @2100h = 900w  
C/ 1000mm

## Max Glass Thickness

32mm

## Frame Depth

100mm

## ENERGY

UW Range  
2.7-5.5

SHGC Range  
0.13-0.47

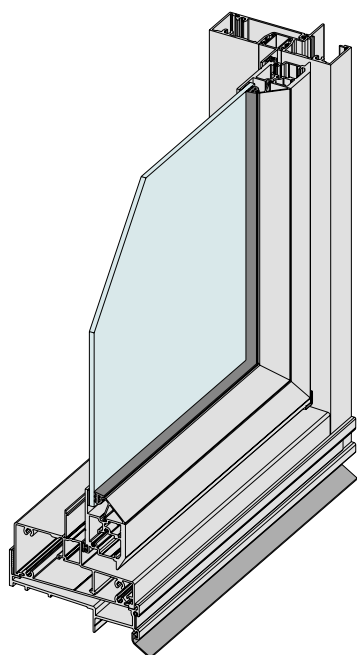
## WEATHER

Maximum Water  
450 Pa.

## ACOUSTICS

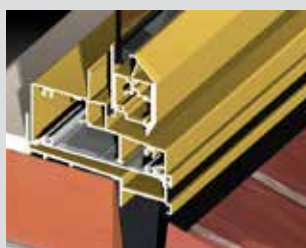
This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 726.

COMMERCIAL SERIES | SERIES 456  
COMMERCIAL AWNING WINDOW

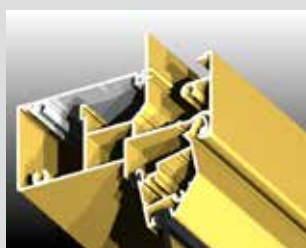


## KEY FEATURES

- Residential awning sashes inlaid directly into commercial framing.
- Dedicated head and sill to accept awning sashes with manual chain winders with standard 30mm (illustrated left) or alternative 44mm nailing fin jambs.
- 44mm nailing fin frame for those projects with double glazed fixed lights.
- Complies with AS2047, with a high water resistance of 450 Pa. With a very low air infiltration that makes this product suitable for air-conditioned buildings.
- Awning sashes can be fitted with concealed electric chain winder, manual chainwinder or cam handles.
- Flyscreens can be fitted behind awning sashes with winders.
- Fixed lowlights can be glazed from the inside in elevated situations by reversing the removable glazing beads.
- Nailing fin frame makes the product suitable for cavity brick and brick veneer construction.
- Dedicated 90° and 135° corner mullions available.



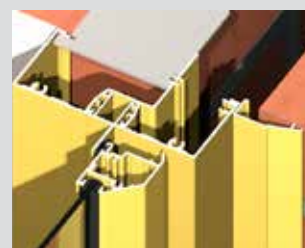
Series 456 windows come standard with integrated sub-sill. Heavy duty sash option illustrated.



Sashes hang on built-in hook hinges. Standard single glazed wrap-around sash illustrated.



Standard 30mm jamb with built-in nailing fin/ weather bar into cavity brick wall illustrated above.



Alternative bold 44mm wide jamb with built-in nailing fin/ weather bar. Both 30mm standard and 44mm wide nailing fin frames will accept height adjustable galvanised building-in lugs.

### GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

#### Max Panel Height\*

A/ @2400w = 800H  
C/ 1200mm

#### Max Panel Width\*

A/ @2100h = 900w  
C/ 600mm

Max Glass Thickness  
20mm

Frame Depth  
102mm

ENERGY  
UW Range  
4.0-6.8

SHGC Range  
0.27-0.61

### WEATHER

Maximum water  
450 Pa.

### ACOUSTICS

This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 516.

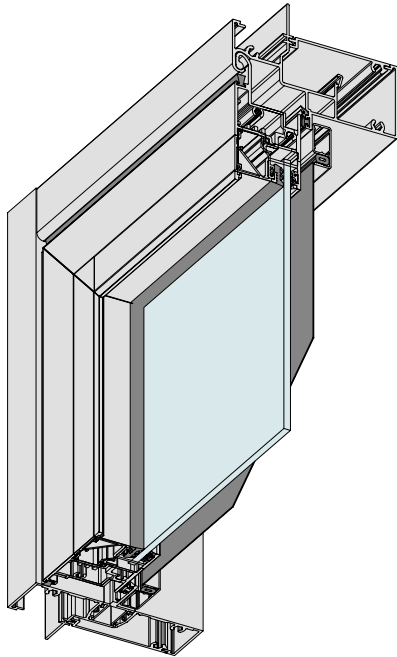


[elevatealuminium.com.au/456](http://elevatealuminium.com.au/456)

\*Dimensions subject to individual site conditions. A = Awning Configuration. C = Casement Configuration.

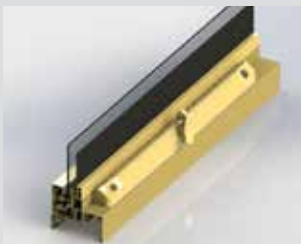




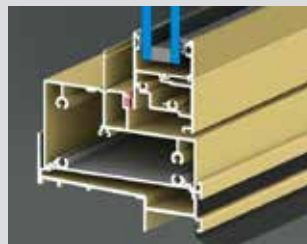


## KEY FEATURES

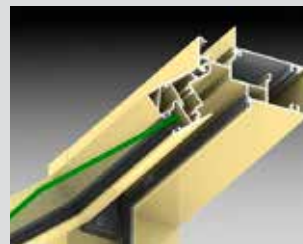
- Series 466 sashes can be fabricated as awning, casement or fixed lights.
- 102mm wide perimeter frame designed to make installation into brick veneer and cavity brick easier with built-in nailing fins.
- Awnings with manual or concealed electric winders have integrated hinge incorporated into sash top rail and head. No stays required.
- The strong sashes allow large opening sash windows to be fabricated for high wind load areas.
- Successfully tested to resist 600 Pa water externally or internally beaded and is suitable for air-conditioned buildings.
- When glazed internally we use square glazing beads. On the externally glazed sash we can also offer splayed beads.
- Awning sashes can be fitted with cam handles (this hardware requires friction stays), manual chain winders or concealed electric winders. The winder options suit fixed flyscreen installation.



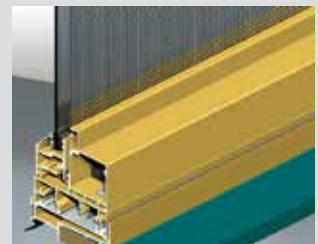
Dual chain chainwinder is fitted where awning sashes are wider than 1200mm to ensure wide sashes are supported



Custom sill design accepts manual chain winder without adaptors. Sill has an up-stand to suit flyscreen.



Integrated aluminium hook hinge gives us higher water resistance and strength.



Custom sub-sill (flashing tray) standard on 466 windows. This sill detail shows our custom concealed electric winder box. Winder box recessed to accept flyscreen as shown above.

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

**Max Panel Height\***

A/ @2400w = 800H  
C/ 1800mm

**Max Panel Width\***

A/ @2100h = 900w  
C/ 1000mm

**Max Glass Thickness**

24mm

**Frame Depth**

102mm

**ENERGY**

UW Range  
4.2-7.0

**SHGC Range**

0.14-0.57

## WEATHER

**Maximum water**  
600 Pa.

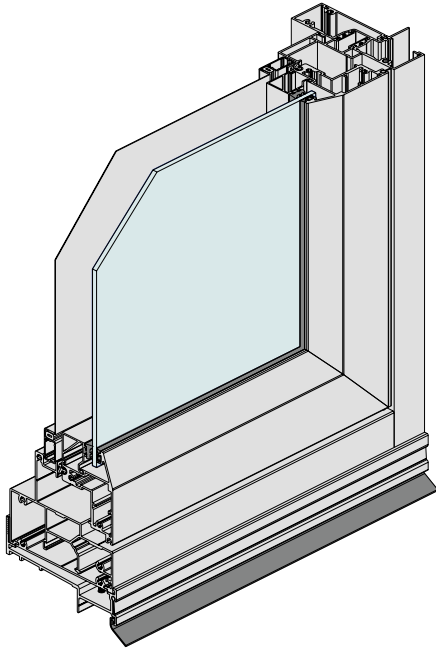
## ACOUSTICS

**6.5mm VLam Hush™**  
**/10mm Air/8.5mm VLam**  
**Hush™**  
41 (-1;-5)

**6mm Tgh/12mm Air/**  
**6.5mm VLam Hush™**  
40 (-1;-5)

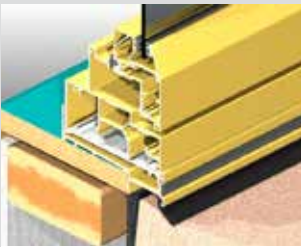
**6.5mm VLam Hush™**  
35 (-1;-4)



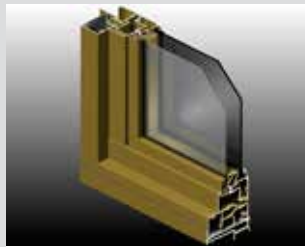


## KEY FEATURES

- This high-performance awning and casement window has been designed to accept Truth™ hardware. This allows us to offer very large casements and awnings fitted with scissor type winders with jamb to stile latches that secure the sashes in the closed position.
- Fixed sidelights/lowlights and highlights can be single or double glazed.
- Perimeter frame designed to make installation into brick veneer and cavity brick easier with built-in nailing fins.
- The Truth™ hardware can resist very negative wind loads with the use of winders and side latches.
- Hardware comes in standard E-GARD™ or for extreme locations we also offer 304 stainless steel stays.
- Series 467 accepts flyscreens.
- On casements it's possible to clean the external glass face when the sash is in the 90° open position.
- Sub-sills are standard on Series 467.



Custom sub-sill (flashing tray) standard on 467 windows.



The heavy duty sash designed for oversize sashes. The image above shows optional screen nested into frame. Flyscreen can be fitted to awnings and casement windows.



Standard 30mm jamb with built-in nailing fin/ weather bar into brick veneer wall illustrated above.



Series 467 has bold commercial frame. Alternative 44mm bold frame shown above.

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

### Max Panel Height\*

A/ @2400w = 800H  
C/ 2100mm

### Max Panel Width\*

A/ @2100h = 1200w  
C/ 1200mm

## Max Glass Thickness

24mm

## Frame Depth

102mm

## ENERGY

### UW Range

4.2-7.0

### SHGC Range

0.14-0.57

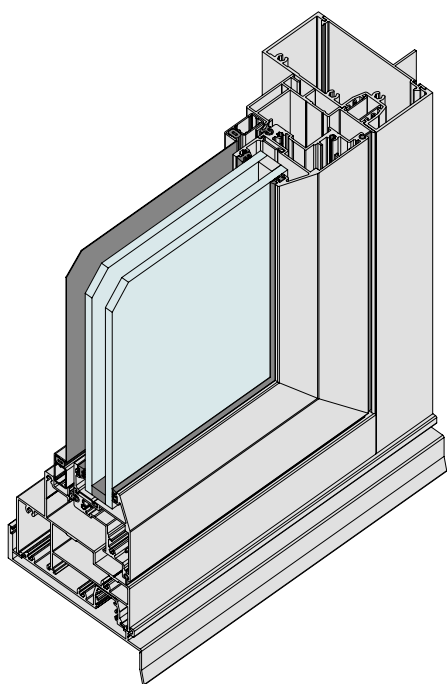
## WEATHER

### Maximum Water

450 Pa.

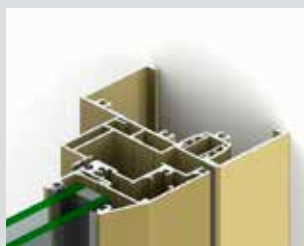
## ACOUSTICS

This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 466.



## KEY FEATURES

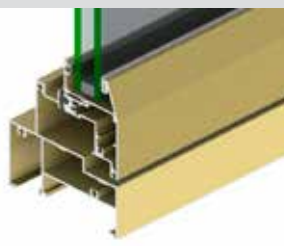
- This high-performance awning and casement window has been designed to accept Truth™ hardware. This allows us to offer very large casements and awnings fitted with scissor type winders with jamb to stile latches that secure the sashes in the closed position.
- The extra strong sashes allow large sash windows to be fabricated for high wind load areas.
- The Truth™ hardware can resist very high negative wind loads with the use of winders and side latches.
- Hardware comes in standard E-GARD™ or for extreme locations we also offer 304 stainless steel stays.
- Casement sashes open to 90° and have an opening gap of approximately 80mm on the hinge side, this allows cleaning of external glass face from inside the building.
- Fixed lowlights/sidelights are designed around Series 406 single glazed and 426 double glazed FrontGLAZE™.



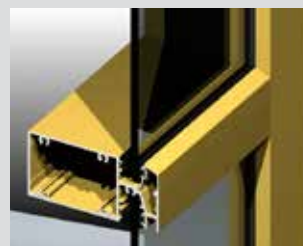
Snap-in jamb adaptors make it possible to have SG or DG fixed highlights and/or lowlights within the same frame.



Will accept glass up to 24mm IGU.



Also available in 150mm frame – see Series 468.



Designed to suit AWS FrontGLAZE™ framing systems

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

### Max Panel Height\*

A/ @2400w = 800H  
C/ 2100mm

### Max Panel Width\*

A/ @2100h = 1200w  
C/ 1200mm

Max Glass Thickness  
24mm

Frame Depth  
102mm

ENERGY  
UW Range

SHGC Range

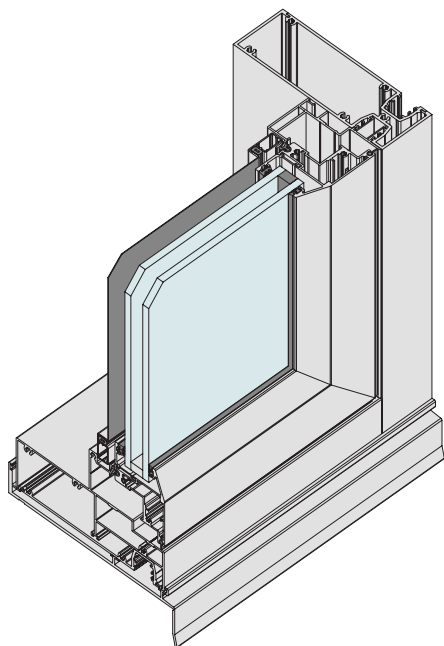
## WEATHER

Maximum Water  
450 Pa.

## ACOUSTICS

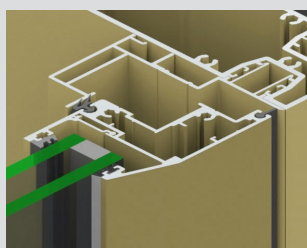
This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 466.



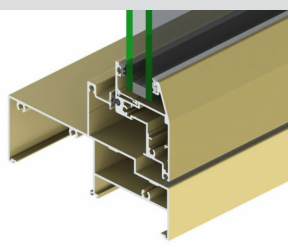


## KEY FEATURES

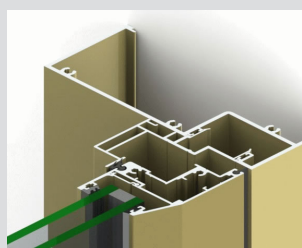
- This high performance awning and casement window has been designed to accept Truth™ hardware. This allows us to offer very large casements and awnings fitted with scissor type winders with jamb to stile latches that secure the sashes in the closed position.
- The extra strong sashes allow large sash windows to be fabricated for high wind load areas. Two sash designs cover awnings and casements.
- Series 668 accepts optional flyscreens.
- The Truth™ hardware can resist high negative wind loads with the use of winders and side latches.
- Hardware comes in standard E-GARD™ or for extreme locations we also offer 304 stainless steel stays, winder arms, tie rods and keepers.
- Casement sashes open to 90° and have an opening gap of approximately 80mm on the hinge side, this allows cleaning of external glass face from inside the building.
- Fixed lowlights/sidelights are designed around Series 606 single glazed and 626 double glazed FrontGLAZE™.



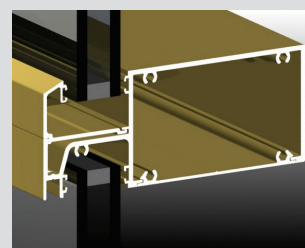
Accepts glass up to 24mm IGU.



Also available with 100mm frame – see Series 468.



Snap-in jamb adaptors make it possible to have SG or DG fixed highlights and/or lowlights within the same frame.



Designed to suit AWS FrontGLAZE™ framing systems.

## GENERAL

NB: Maximum panel height and width of Awning sashes are interdependent.

**Max Panel Height\***

A/ @2400w = 800H  
C/ 2100mm

**Max Panel Width\***

A/ @2100h = 1200w  
C/ 1200mm

**Max Glass Thickness**  
24mm

**Frame Depth**  
150mm

**ENERGY**  
**UW Range**

**SHGC Range**

## WEATHER

**Maximum Water**  
450Pa.

## ACOUSTICS

This product has not been acoustics tested.